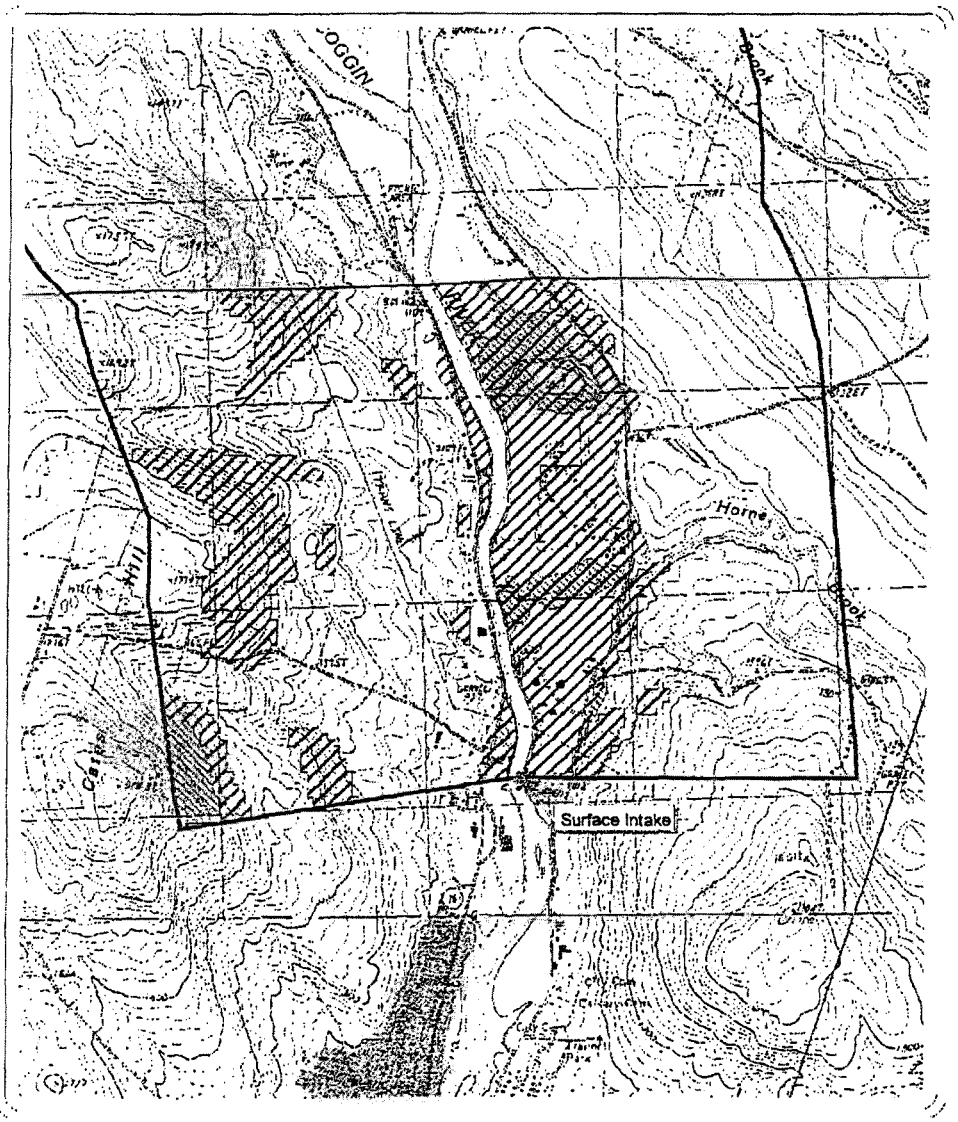
Berlin Future Land Use Plan (1992)

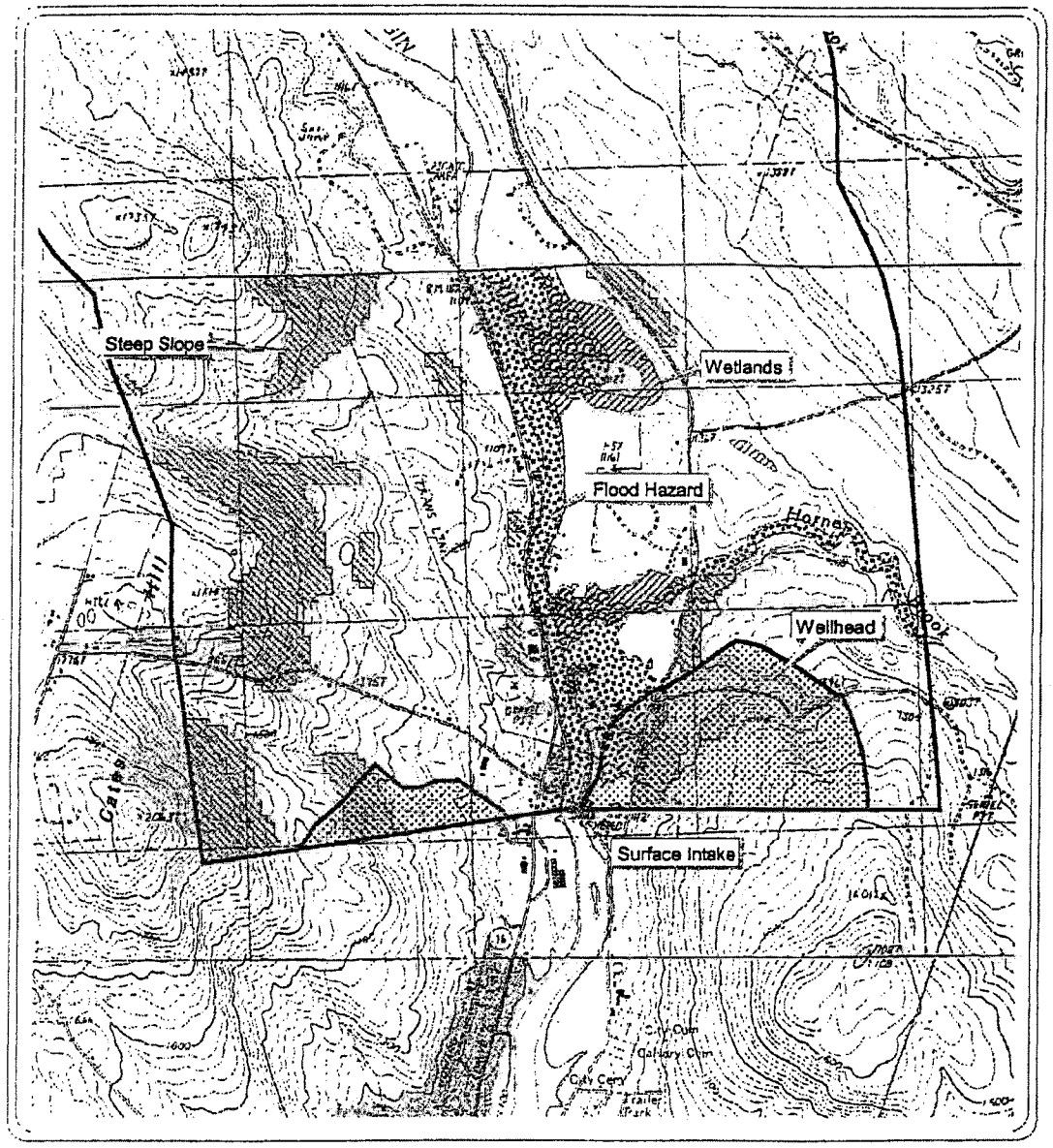
The map below identifies the approximate locations of three future land use categories. (Critical, Sensitive and Rural Residential)

- Critical Resource Areas (red slash) – Wetlands and slopes over 25% are unsuitable for development.
- Sensitive Natural Areas (blue slash) – Aquifers, slopes 15-25% and flood hazard areas have limitations that must be recognized if they are to be developed without health and safety problems.
- Rural Residential (unshaded) - Every lot developed for residential purposes must be able to support itself with an on-site sewage disposal system and well.



Berlin Zoning Ordinance (1999)

Adopted November 1, 1999, the Berlin Zoning Ordinance established a number of natural resource overlay zones intended to protect those areas with characteristics that require protection and land management practices that minimize environmental degradation. The map provided shows the approximate boundaries of each overlay zone.



Wellhead Protection Overlay Zone (blue dots) - The limits of the Wellhead Protection Overlay zone include all areas in the "Wellhead Protection Study, Berlin, NH March 1993", prepared by Provan and Lorber, Inc. The intent of this overlay zone is to:

A. Promote the health, safety and general welfare of the community;
B. Protect, preserve and maintain the groundwater supply and wellhead protection areas within the known aquifers of the City;
C. Preserve and protect sources of drinking water for the public health and safety;
D. Conserve the natural resources of the City;
E. Protect the groundwater and wellhead protection areas of the City from adverse development or inappropriate land use practices; and
F. Prevent blight and pollution of the environment.

Use	Restriction
General service & repair shop	SUP
Metalworking shop	SUP
Manufacturing facility	SUP
Waste & scrap processing & storage	SUP
Domestic septic system	SUP
Laboratory	SUP
Agricultural use	SUP
Stormwater infiltration pond & leaching basin	SUP
Cleaning service	SUP
Food processing plant	SUP
Wood preserving & furniture stripping	SUP
Excavation/grading	SUP
Manure/fertilizer storage	SUP
Electronic circuit assembly	SUP
Print shops & facilities	SUP
Under & above ground petroleum or chemical storage	SUP
Vehicle service & repair shops & facilities	SUP
Concrete, asphalt, and tar manufacturing	N
Fueling and maintenance of earthmoving equipment	N
Sewage/wastewater treatment system excluding domestic systems	N
Hazardous waste facility	N
Salt/deicing material storage	N
Solid waste landfill	N
Snow dump	N
Junkyard	N

N = Prohibited Use SUP = Requires a Special Use Permit

Within the Wellhead Protection Overlay zone the following design and operations requirements shall be observed, except for single-family dwellings where these standards shall serve as guidelines only:

a. Storage

Provision shall be made to protect against toxic or hazardous material discharge or loss through corrosion, accidental damage, spillage, or vandalism through such measures as provision for spill control in the vicinity of chemical or fuel delivery points, secure storage areas for toxic or hazardous material, and indoor storage provisions for corrodible or dissolvable materials.

b. Location

Where the premises are partially outside of the Wellhead Protection Overlay zone, such potential pollution sources as on-site waste disposal systems shall, to the degree feasible (based upon engineering criteria, not financial criteria), be located outside the zone.

c. Disposal

Provisions shall be made to assure that any waste disposed into the sewers shall conform to the City of Berlin's Sewer Use Regulations. Connecting sewers from the building shall be vitreous clay pipe or any other pipe shown to provide equivalent protection against corrosion.

d. Excavation and Grading

No excavation and grading in the Wellhead Protection Overlay zone shall go below a depth of four feet (4') of clean material above the high water table.

e. Impervious Surfaces

Within the Wellhead Protection Overlay zone, no more than twenty percent (20%) of the lot shall be covered with impervious surfaces unless a stormwater management plan is prepared which ensures that stormwater recharged to groundwater will not result in violation of Ambient Groundwater Quality Standards NH Code of Administrative Rules Part Env-Ws 1403.5 at the property boundary.

f. Monitoring

Periodic monitoring may be required by the SUPGA, including sampling of wastewater disposed to off-site systems or drywells and sampling from groundwater monitoring wells to be located and constructed as specified in the Special use permit, with reports to be submitted to the SUPGA and the Board of Health, and with costs to be borne by the owner of the premises.

Wetlands Overlay Zone (blue slash) - The limits of the Wetlands Overlay zone include all wetlands and buffer area, defined as follows:

A. Poorly drained, or very poorly drained soils as defined by the most recent USDA Natural Resource Conservation Service's soil survey;
B. Wetlands buffer area is defined as twenty-five feet (25') from any wetland edge.

Prohibited uses include:

A. The erection or construction of any structure.
B. Alteration of the natural surface configuration by the addition of fill or by excavation or dredging.
C. Uses which utilize, store, process or dispose of toxic substances that may pose a threat to surface or groundwater quality.
D. Underground fuel storage tanks.

Steep Slope Overlay Zone (red slash) – The limits of the Steep Slope Overlay zone include all areas of natural terrain having slopes in excess of fifteen percent (15%) located within the City of Berlin.

All uses not expressly permitted outright or by special use permit shall be deemed prohibited in the Steep Slope Overlay zone.

Permitted Uses:

A. Wildlife refuge, conservation area and nature trail.
B. Open space, parks and outdoor recreation not requiring extensive excavation.
C. Forestry and tree farming using best management practices to prevent soil erosion.

Uses Requiring a Special Use Permit from the Planning Board:

A. Agriculture using best management practices to prevent erosion.
B. Roads and driveways may be granted special use permits to cross the Steep Slopes Overlay zone subject to the following findings by the Planning Board:

    i. the lot cannot be reasonably used without such a crossing;

    ii. the design and construction of the crossing will not cause soil erosion, stream sedimentation, excessive loss of vegetative cover, or public maintenance costs; and

    iii. the crossing will not adversely scar a ridge line or hillside that is a prominent visual amenity in the City.

C. The placement, on any premises, of more than one hundred (100) cubic yards of sod, loam, sand, gravel, quarried stone or other materials being used for fill. A special use permit for fill placement in the Steep Slope Overlay zone may be granted by the Planning Board subject to the following:

i. A plan of the land involved shall be submitted to the Planning Board showing all human-made features, property lines, vegetative cover, existing topography at four foot (4') contour intervals including land within one hundred feet (100') of the property where the proposed placement of materials is to take place. The Planning Board may require that the plan be prepared by a licensed engineer.

ii. A plan of the land involved shall show temporary and permanent drainage and the proposed topography at two foot (2') contour intervals.

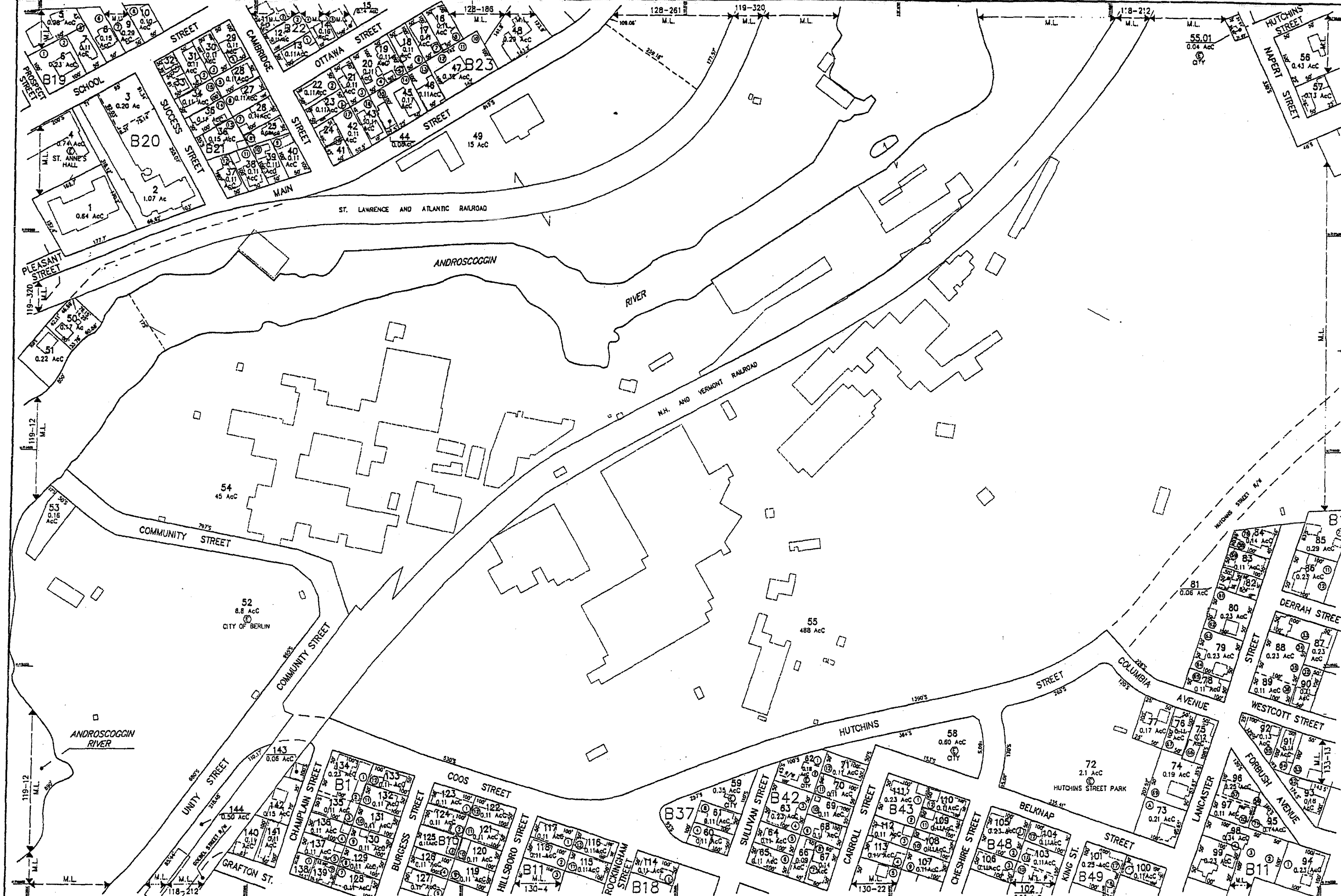
iii. The estimated quantity of fill to be placed shall be shown on the plan and calculated using the average end-area method or by a method approved by the Planning Board.

iv. The type of material to be used as fill shall be specified on the plan and shall not contain garbage, ashes, organic material or material detrimental to the stability of the structure of the finished grade as determined by the Planning Board.

Special Flood Hazard Area Overlay Zone (red dots) – Applies to all lands designated as special flood hazard areas by the Federal Emergency Management Agency (FEMA) in its "Flood Insurance Study for the City of Berlin, NH", together with the associated Flood Insurance Rate Maps, and Flood Boundary and Floodway Maps of the City dated June 1982.

The purpose of the Special Flood Hazard Area Overlay zone is to limit the nature and intensity of development of flood prone areas to those uses which can be appropriately and safely located in the flood plain and thereby serve the following objectives:

A. Secure safety from floods;
B. Prevent loss of life and reduce property damage and other losses and risks associated with flood conditions;
C. Preserve the location, character and extent of natural drainage courses, and
D. Maintain ecological balance.



THIS MAP IS FOR ASSESSMENT PURPOSES ONLY. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.

HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM – NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLER & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 28, 1992 (1"=750' FLIGHT); MAY 9, 1992 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

PRODUCED IN 1993 BY
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PROFESSIONAL CONSULTANTS
MUNICIPAL MAPPING – GIS – LAND SURVEYING
12 PLEASANT STREET, P.O. BOX 287, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 – (800)322-4540 – FAX (603)444-1366

LEGEND

AREA SURVEYED	Ac	MATCH LINE	M.L.
AREA CALCULATED	AcC	RIGHT OF WAY	R/W
RECORD DIMENSION	100'	SURFACE WATER	W
SCALED DIMENSION	100'S	WETLANDS	
COMMON OWNERSHIP	— — — OR	TAX EXEMPT PROPERTY	(E)
SUBDIVISION LOT NO.	(2)	BUILDING	
LOT/RANGE	L8R8	BLOCK NUMBER	B25

FEET SCALE 1" = 100'
50 0 100 200 300
25 0 25 50 75
METERS

REVISED TO : April 1, 1993

PROPERTY MAP
BERLIN
NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER – MITCHELL BERKOWITZ

INDEX DIAGRAM

120	128	134
119		133
118	130	132

MAP NO.
129

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HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM - NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

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PHOTOGRAPHY DATED: APRIL 29, 1992 (1"=750' FLIGHT); MAY 6, 1992 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

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LEGEND
AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . 100'
SCALED DIMENSION . . . . . 100'S
COMMON OWNERSHIP . . . . . OR
MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . W
WETLANDS . . . . . W
TAX EXEMPT PROPERTY . . . . . E
SUBDIVISION LOT NO. 3
BUILDING . . . . . B
LOT/RANGE 140/8
BLOCK NUMBER B25

FEET SCALE 1" = 100'
50 0 100 200 300
25 0 25 50 75
METERS
REVISED TO : April 1, 1993

PROPERTY MAP
BERLIN
NEW HAMPSHIRE
CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL BERKOWITZ

INDEX DIAGRAM
119 129 133
118 132
117 131 413

MAP NO.
130

PERRY STREET
DUTIL STREET
GAUTHIER ST.
HUTCHINS STREET R/W
DERRAH STREET
WESCOTT STREET
MARBLE STREET
FORBUSH AVENUE
WILSON STREET (UNDEVELOPED)
KENT STREET
BLAIS STREET (UNDEVELOPED)
LAMBERT STREET (UNDEVELOPED)
PROCTOR STREET (UNDEVELOPED)
LYNDE STREET (UNDEVELOPED)
B1
B2
B3
B4
B5
855
856
880
129-55 M.L.
129-56 M.L.
132-1
132-2
132-3
132-9
132-19
132-172
NO PARCEL 18,19,48,82

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HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM – NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.
GPS CONTROL BY: COLEN & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.
PHOTOGRAPHY DATE: APRIL 28, 1992 (1"=750' FLIGHT); MAY 9, 1992 (1"=2000' FLIGHT)
COMPILATION DATE: APRIL 15, 1993

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(603)444-6768 – (800)322-454C – FAX (603)444-1368

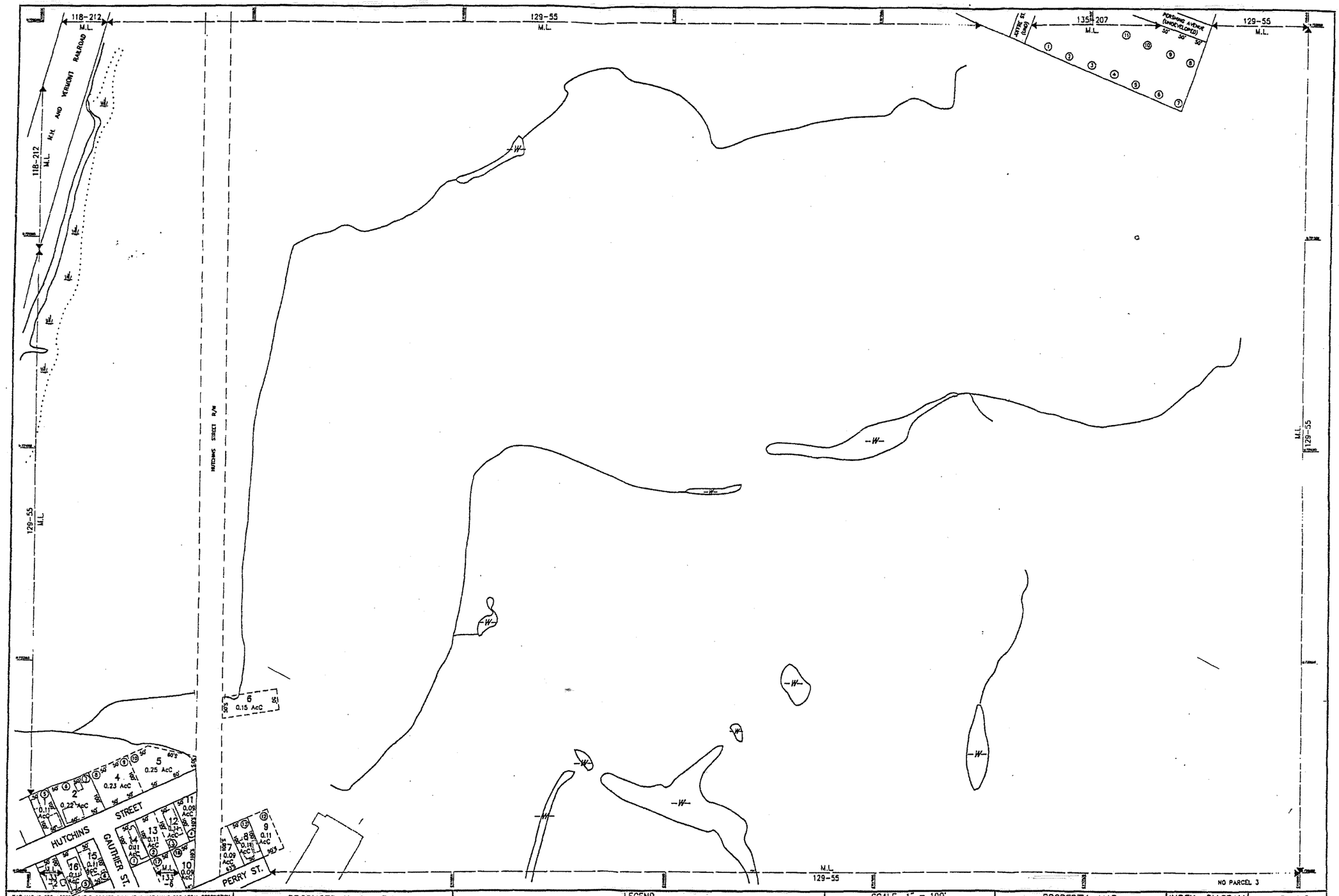
LEGEND
AREA SURVEYED ..... Ac
AREA CALCULATED ..... AcC
RECORD DIMENSION ..... 100'
SCALED DIMENSION ..... 100'S
COMMON OWNERSHIP ..... OR
MATCH LINE ..... M.L.
RIGHT OF WAY ..... R/W
SURFACE WATER ..... -W-
WETLANDS .....
TAX EXEMPT PROPERTY ..... E
SUBDIVISION LOT NO. 2
BUILDING .....
LOT/RANGE LR8
BLOCK NUMBER B25

FEET SCALE 1" = 100'
50 0 100 200 300
METERS 25 0 25 50 75
REVISED TO : April 1 1999

PROPERTY MAP
BERLIN
NEW HAMPSHIRE
CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER – MITCHELL BERKOWITZ

INDEX DIAGRAM
128|134
129| 412
130|132

MAP NO.
133



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HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM - NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLER & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 28, 1992 (1"=750' FLIGHT); MAY 8, 1992 (1"=200' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

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LEGEND

AREA SURVEYED	Ac	MATCH LINE	M.L.
AREA CALCULATED	AcC	RIGHT OF WAY	R/W
RECORD DIMENSION	100'	SURFACE WATER	-W-
SCALED DIMENSION	100'S	WETLANDS	
COMMON OWNERSHIP	OR	TAX EXEMPT PROPERTY	E
		SUBDIVISION LOT NO.	L
		BUILDING	
		LOT/RANGE	16R8
		BLOCK NUMBER	B25

FEET SCALE 1" = 100'
50 0 100 200 300
25 0 25 50 75
METERS

REVISED TO : April 1, 1999

PROPERTY MAP
BERLIN
NEW HAMPSHIRE

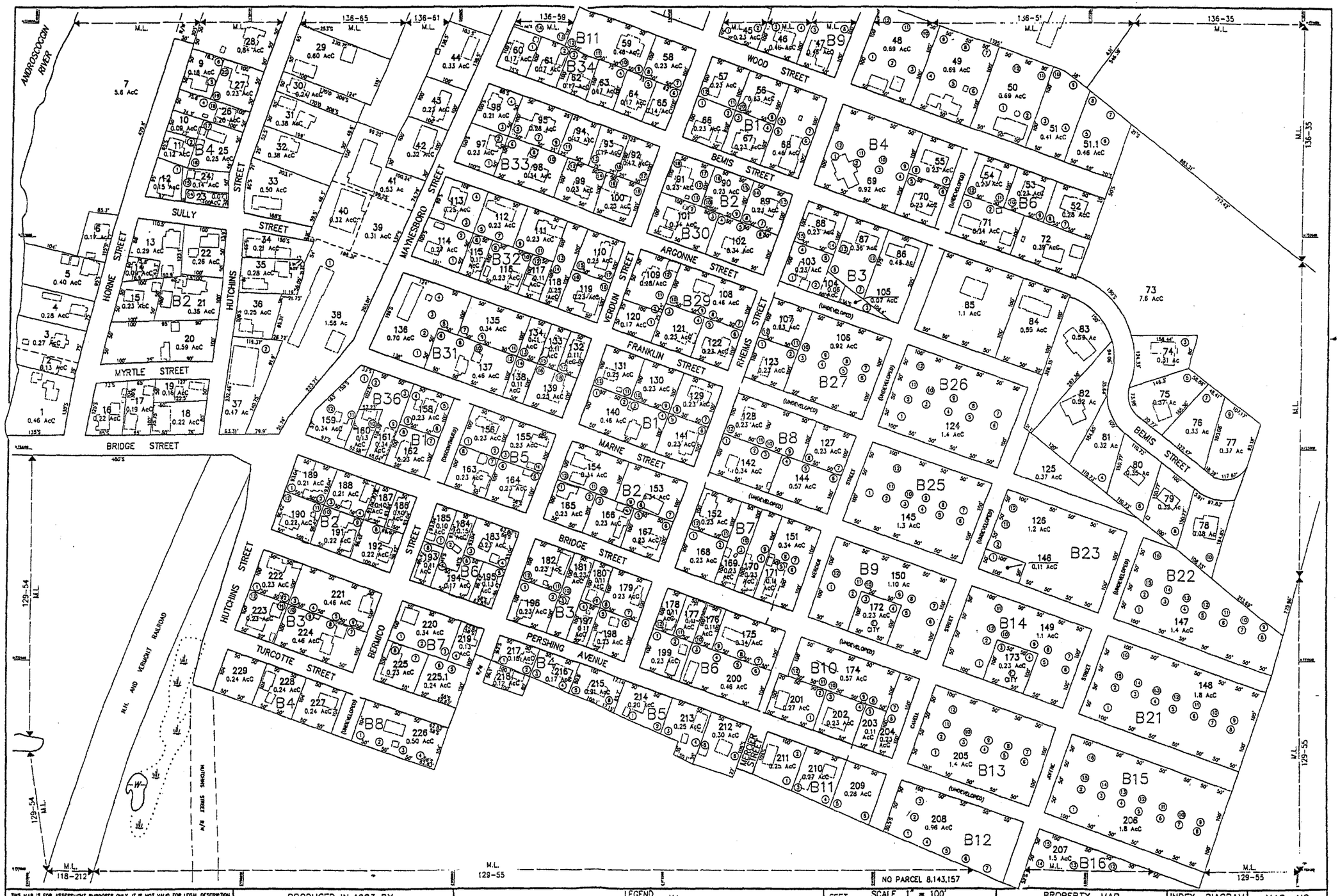
CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL BERKOWITZ

INDEX DIAGRAM

127	135	
128	412	
129	133	

ON

MAP NO. 134



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HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM – NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

OPS CONTROL BY: COLBY & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 29, 1992 (1"=750' FLIGHT); MAY 8, 1992 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

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LEGEND

AREA SURVEYED ..... Ac
AREA CALCULATED ..... AcC
RECORD DIMENSION ..... 100'
SCALED DIMENSION ..... 100'S
COMMON OWNERSHIP ..... OR

MATCH LINE ..... M.L.
RIGHT OF WAY ..... R/W
SURFACE WATER ..... -W-
WETLANDS .....

TAX EXEMPT PROPERTY ..... (5)
SUBDIVISION LOT NO. ..... (2)
BUILDING .....
LOT/RANGE 168
BLOCK NUMBER B25

FEET SCALE 1" = 100'
50 0 100 200 300
25 0 25 50 75
METERS

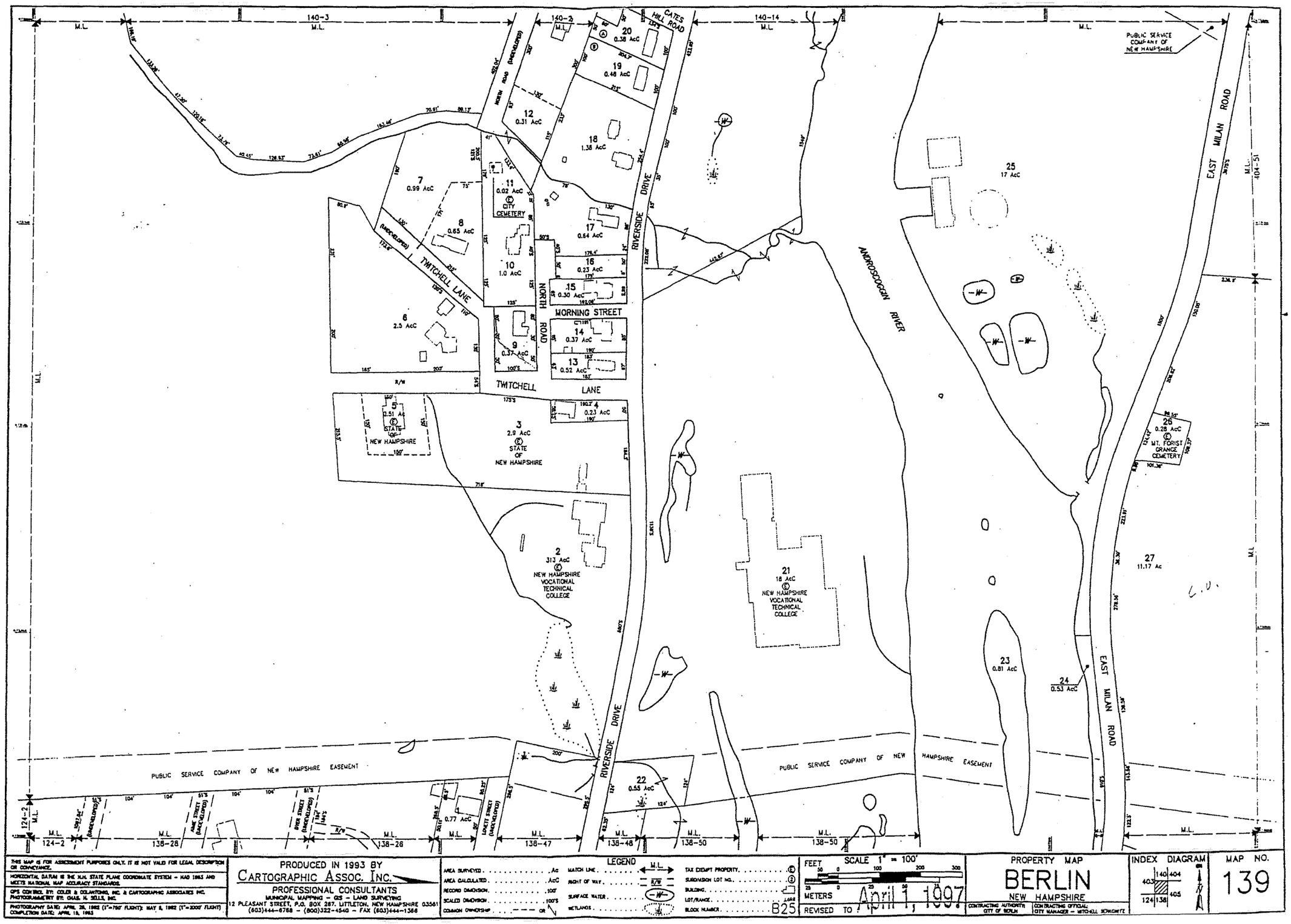
REVISED TO : April 1, 1999

PROPERTY MAP
BERLIN
NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER – MITCHELL BERKOWITZ

INDEX DIAGRAM
126 136 405
127 412
128 134

MAP NO. 135



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HORIZONTAL DATUM IS THE N.A.D. STATE PLANE COORDINATE SYSTEM - NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLES & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC. PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 28, 1982 (1"=750' FLIGHT); MAY 6, 1982 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1983

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AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . 100'
SCALED DIMENSION . . . . . 100'S
COMMON OWNERSHIP . . . . . OR

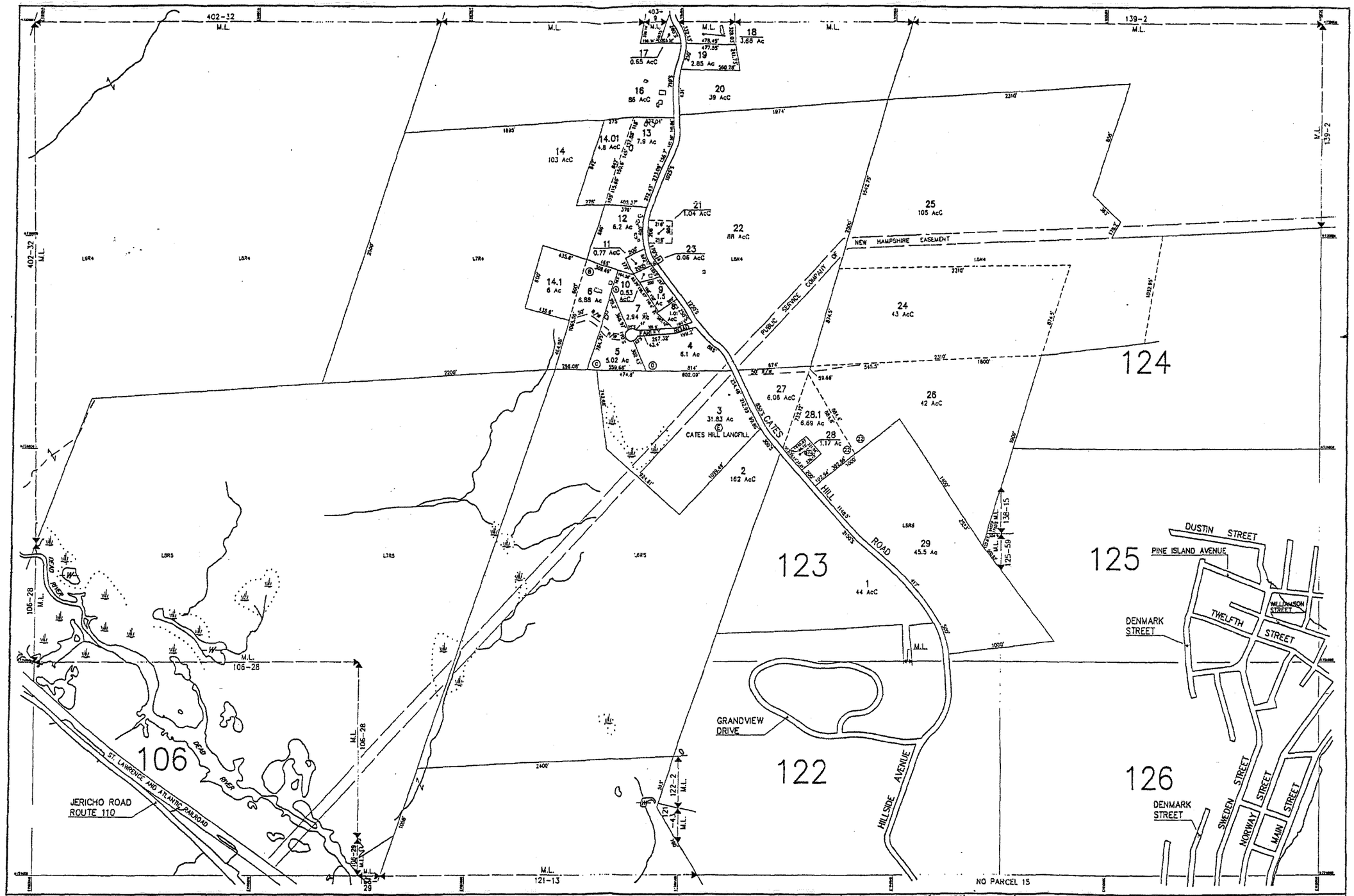
LEGEND
MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . W
WETLANDS . . . . . W
TAX EXEMPT PROPERTY . . . . . (E)
SUBDIVISION LOT NO. . . . . (3)
BUILDING . . . . .
LOT/RANGE 138
BLOCK NUMBER B25

FEET 0 50 100 200 300
METERS 0 25 50 100
SCALE 1" = 100'
REVISED TO: April 1, 1997

PROPERTY MAP
BERLIN
NEW HAMPSHIRE
CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL SCHLICHTE

INDEX DIAGRAM
140 404
403 405
124 138

MAP NO. 139



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HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM - NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLER & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 28, 1992 (1"=750' FLIGHT); MAY 9, 1992 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

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(603)444-6768 - (800)322-4540 - FAX (603)444-1366

AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . 100'
SCALED DIMENSION . . . . . 100'S
COMMON OWNERSHIP . . . . . OR

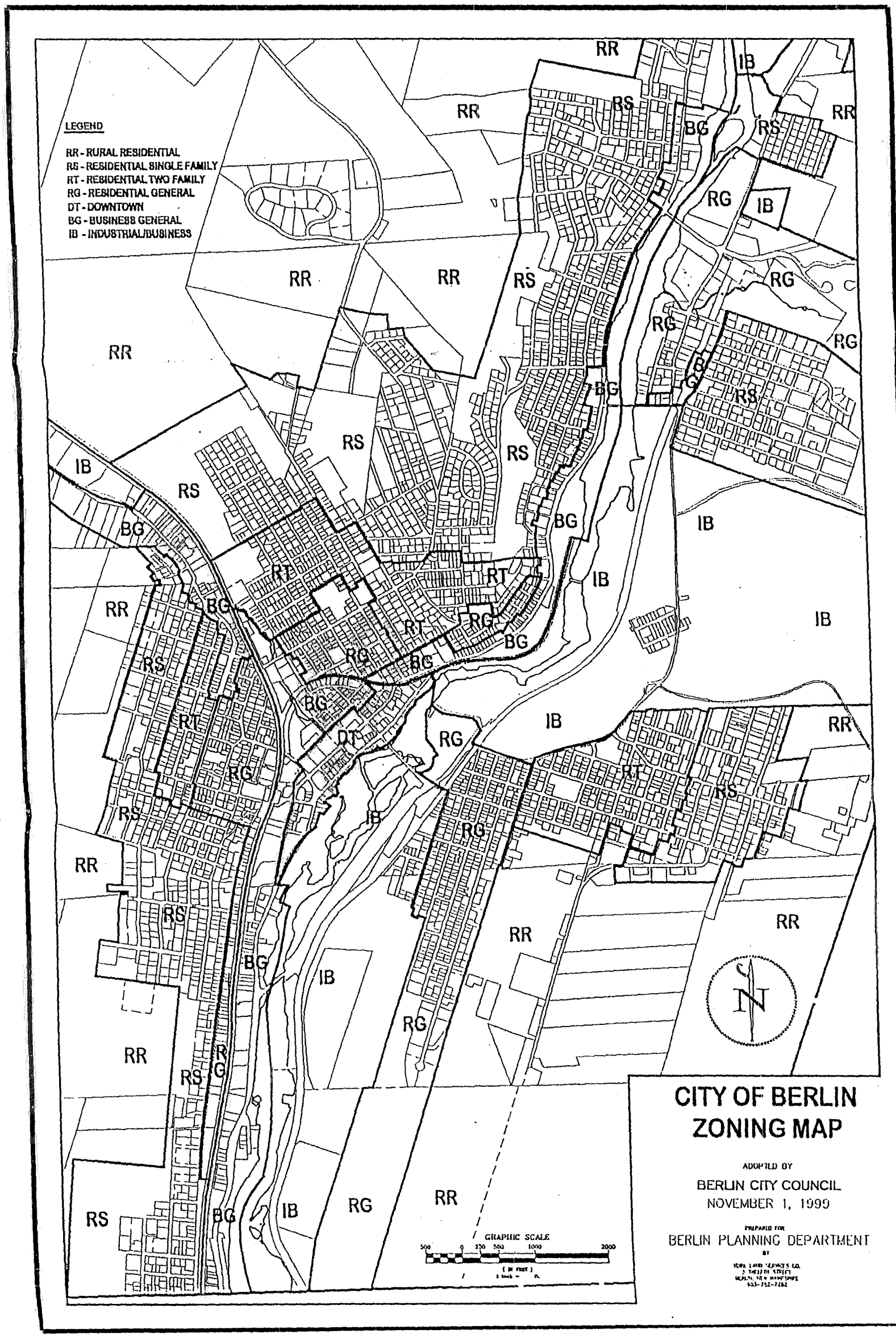
LEGEND
MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . W
WETLANDS L5R8
TAX EXEMPT PROPERTY . . . . . E
SUBDIVISION LOT NO. 2
BUILDING . . . . .
LOT/RANGE L5R8
BLOCK NUMBER B25

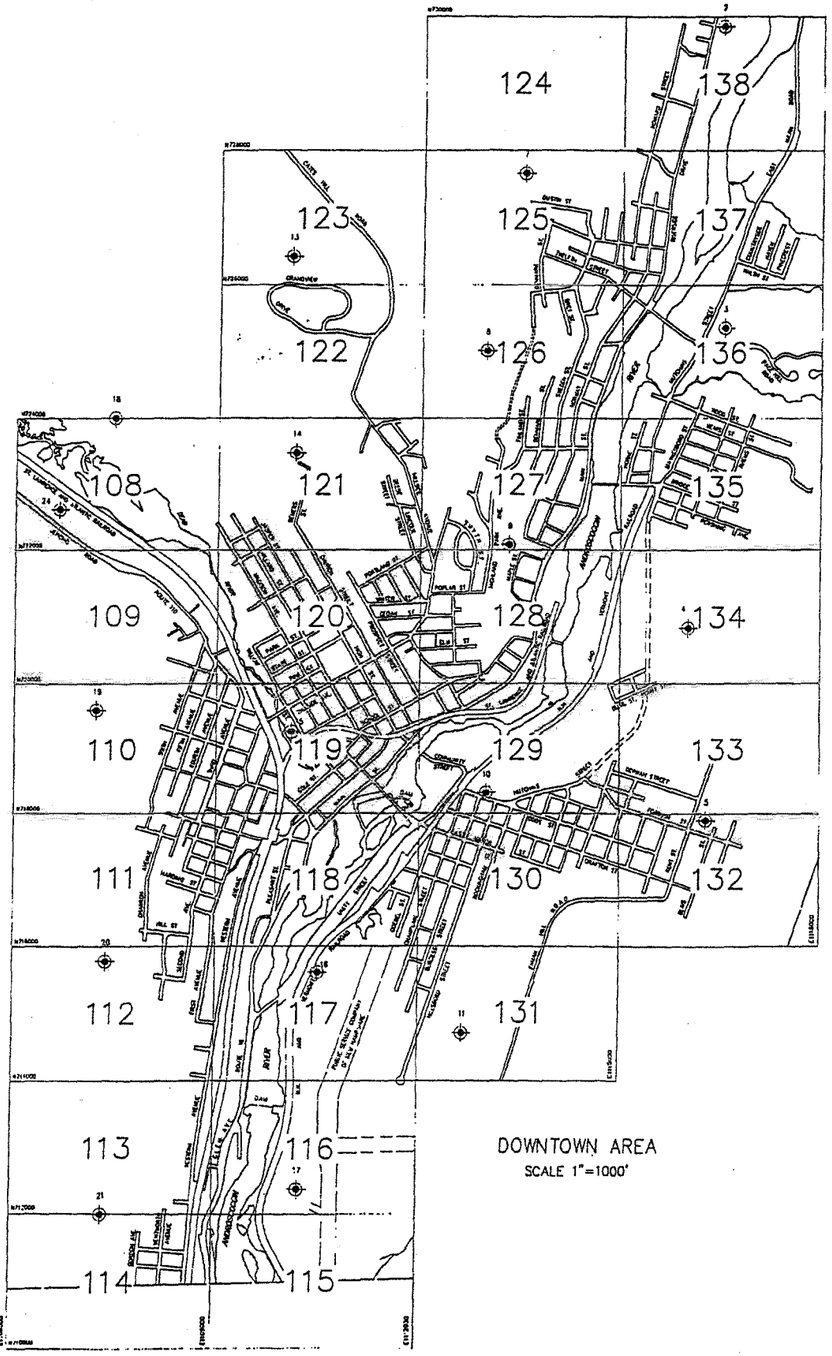
FEET 200 0 400 800 1200
METERS 100 0 100 200 300
SCALE 1" = 400'
REVISED TO : April 1, 1999

PROPERTY MAP
BERLIN
NEW HAMPSHIRE
CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL BERKOWITZ

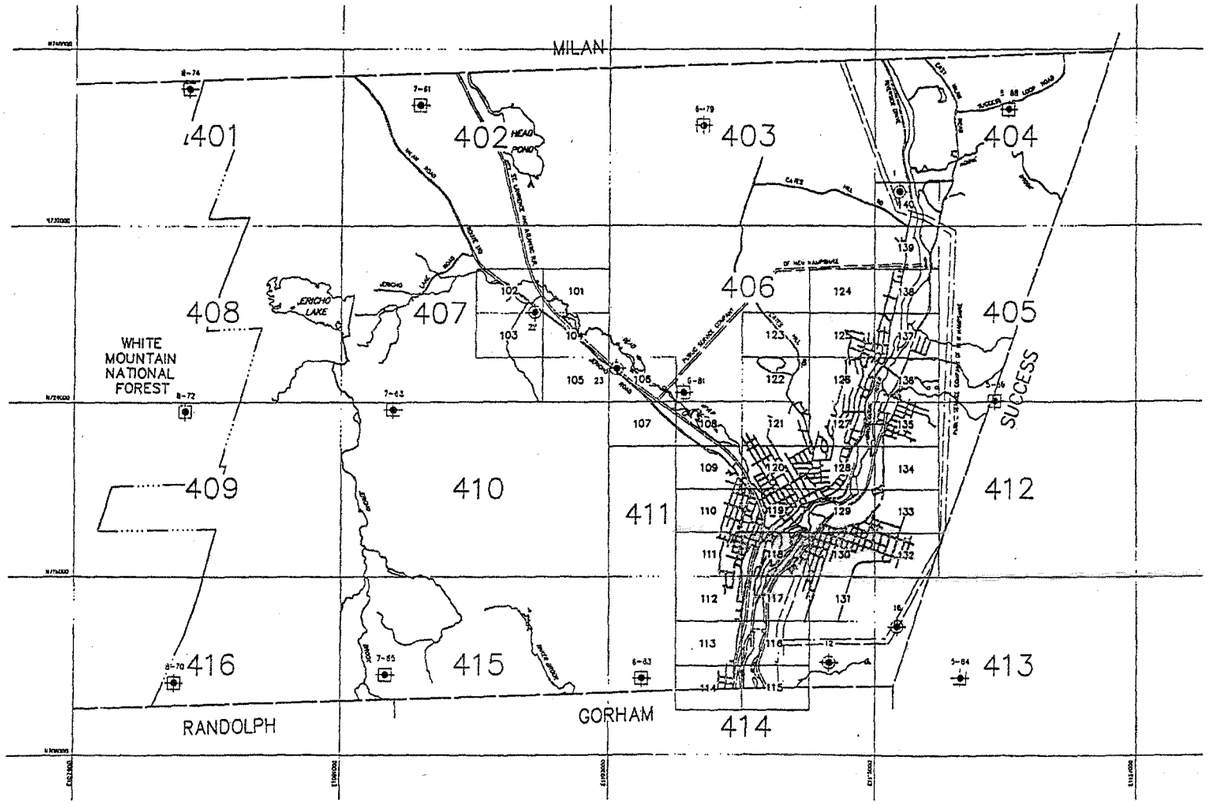
INDEX DIAGRAM
402 403 404
407 405
410 411 412

MAP NO. 406


LEGEND
RR - RURAL RESIDENTIAL
RS - RESIDENTIAL SINGLE FAMILY
RT - RESIDENTIAL TWO FAMILY
RG - RESIDENTIAL GENERAL
DT - DOWNTOWN
BG - BUSINESS GENERAL
IB - INDUSTRIAL/BUSINESS
GRAPHIC SCALE
500 0 250 500 1000 2000
CITY OF BERLIN
ZONING MAP
ADOPTED BY
BERLIN CITY COUNCIL
NOVEMBER 1, 1999
PREPARED FOR
BERLIN PLANNING DEPARTMENT
BY



DOWNTOWN AREA
SCALE 1"=1000'



ENTIRE CITY
(EXCLUDING WHITE MOUNTAIN NATIONAL FOREST)
SCALE 1"=3000'

THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.
THE HORIZONTAL DATUM IS THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM.
PHOTOGRAPHY DATE: MARCH 29, 1992
COMPLETION DATE: APRIL 15, 1993

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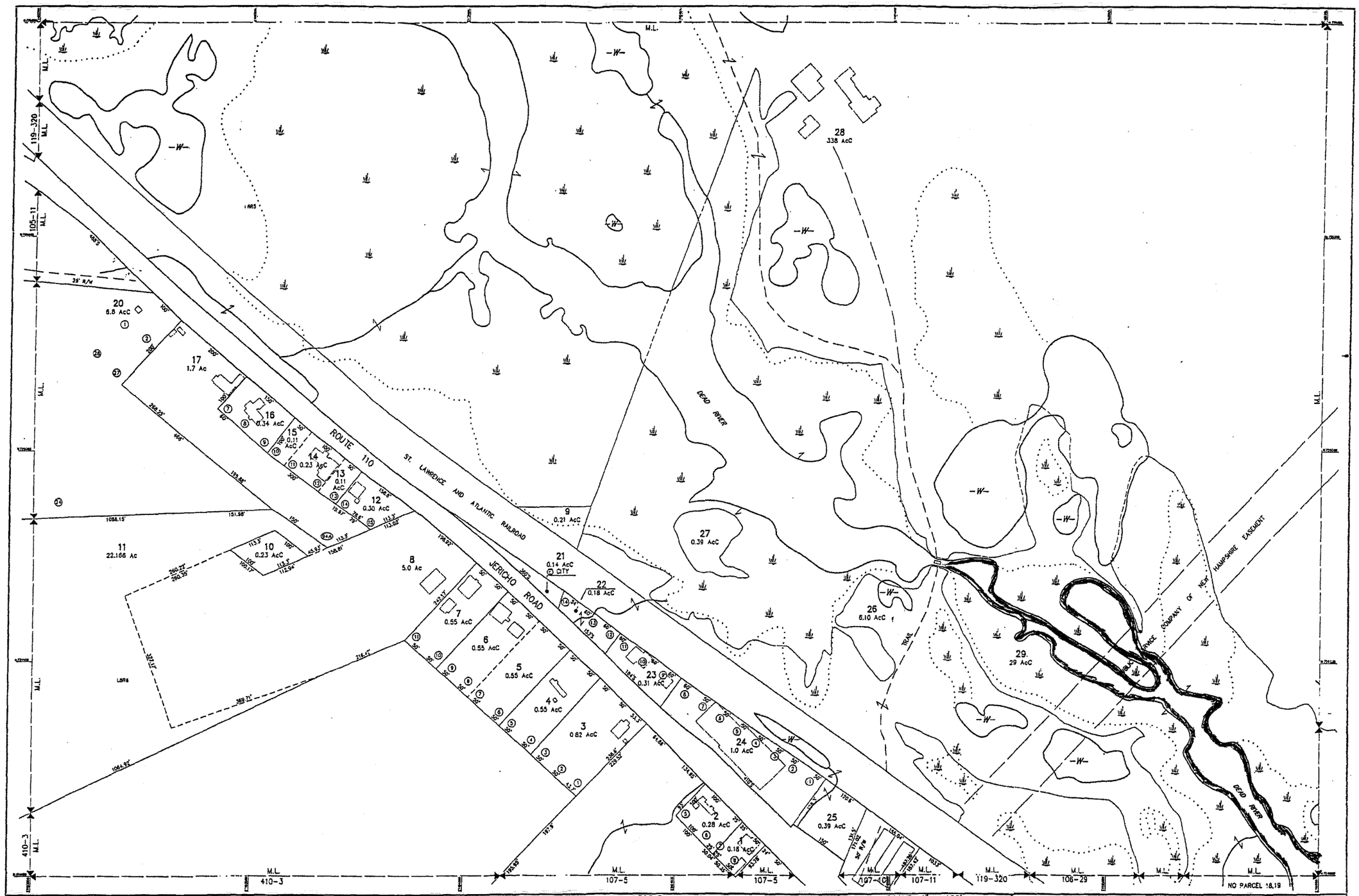
12 PLEASANT STREET, P.O. BOX 267, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 - 1(800)322-4540 - FAX (603)444-1366

LEGEND
100 1" = 100' SCALE MAP
400 1" = 400' SCALE MAP
20 APPROXIMATE CENTER OF 100' SCALE PHOTO ENLARGEMENT
5-70 APPROXIMATE CENTER OF 400' SCALE PHOTO ENLARGEMENT
n766000 e1075000 COORDINATE VALUE OF NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM

MAP SCALE AS NOTED ABOVE
REVISED TO : April 1, 1999

PROPERTY MAPS
BERLIN
NEW HAMPSHIRE

INDEX MAP



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GPS CONTROL BY: COLBY & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 29, 1992 (1"=750' FLIGHT); MAY 9, 1992 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

PRODUCED IN 1993 BY
CARTOGRAPHIC ASSOC. INC.
PROFESSIONAL CONSULTANTS
MUNICIPAL MAPPING – GIS – LAND SURVEYING
12 PLEASANT STREET, P.O. BOX 267, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 – (800)322-454C – FAX (603)444-1386

LEGEND

AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . 100'
SCALED DIMENSION . . . . . 100'S
COMMON OWNERSHIP . . . . . OR
MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . -W-
WETLANDS . . . . .
TAX EXEMPT PROPERTY . . . . . E
SUBDIVISION LOT NO. 2
BUILDING . . . . .
LOT/RANGE . . . . . LSRS
BLOCK NUMBER B25

FEET SCALE 1" = 100'
50 0 100 200 300
25 0 25 50 75
METERS

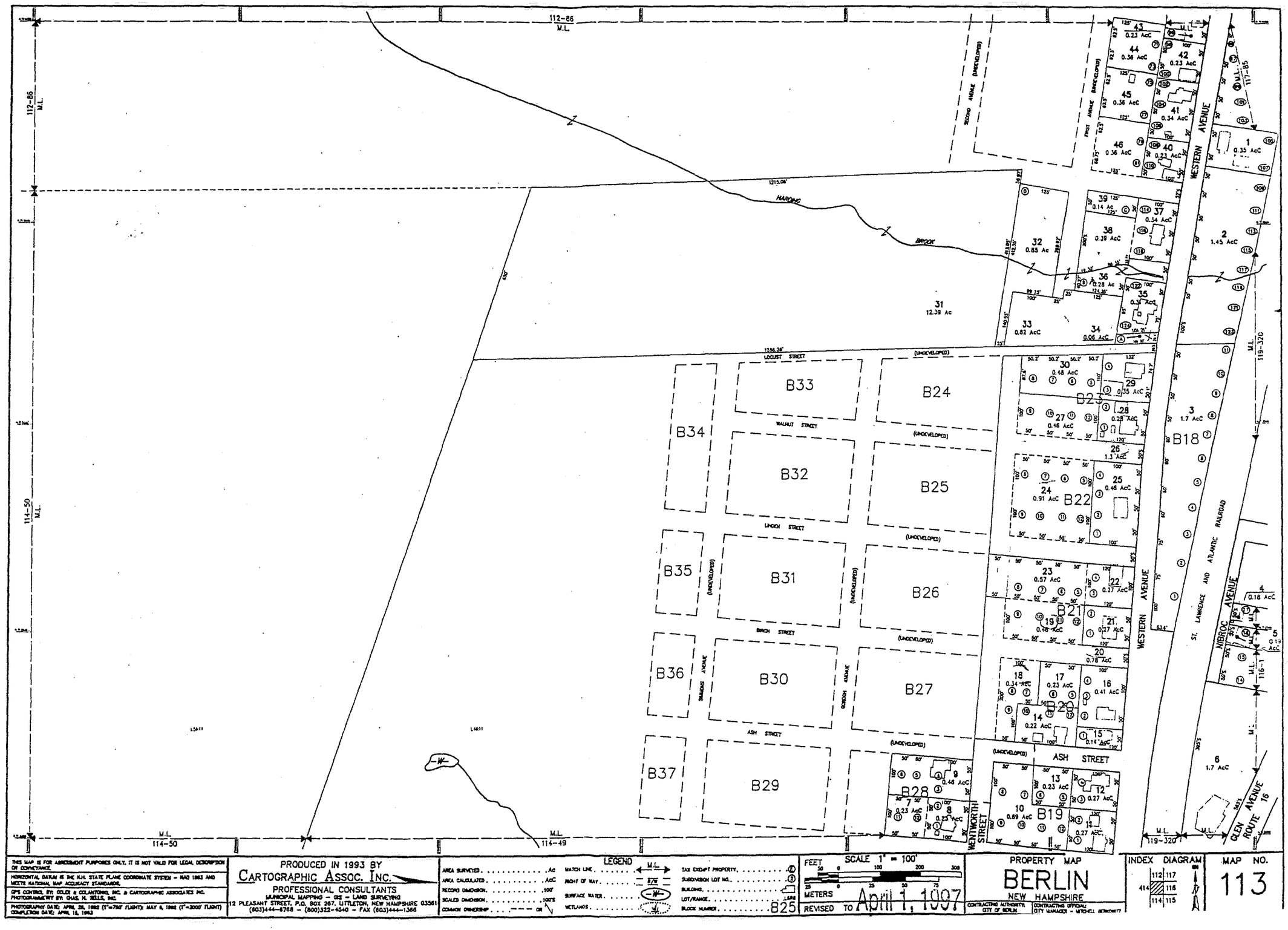
REVISED TO : April 1, 1999

PROPERTY MAP
BERLIN
NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER – MITCHELL BERKOWITZ

INDEX DIAGRAM
104 105 406 407 410 107 108
ON

MAP NO.
106



THIS MAP IS FOR ASSESSMENT PURPOSES ONLY. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.

HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM - NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLES & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: GUAS, H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 26, 1992 (1"=750' FLIGHT); MAY 6, 1992 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

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12 PLEASANT STREET, P.O. BOX 267, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 - (800)322-4540 - FAX (603)444-1366

LEGEND

AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . .100'
SCALED DIMENSION . . . . . .100'±
COMMON OWNERSHIP . . . . . OR

MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . W
WETLANDS . . . . . W

TAX EXEMPT PROPERTY . . . . . E
SUBDIVISION LOT NO. 2
BUILDING . . . . .
LOT/RANGE . . . . . L&R
BLOCK NUMBER B25

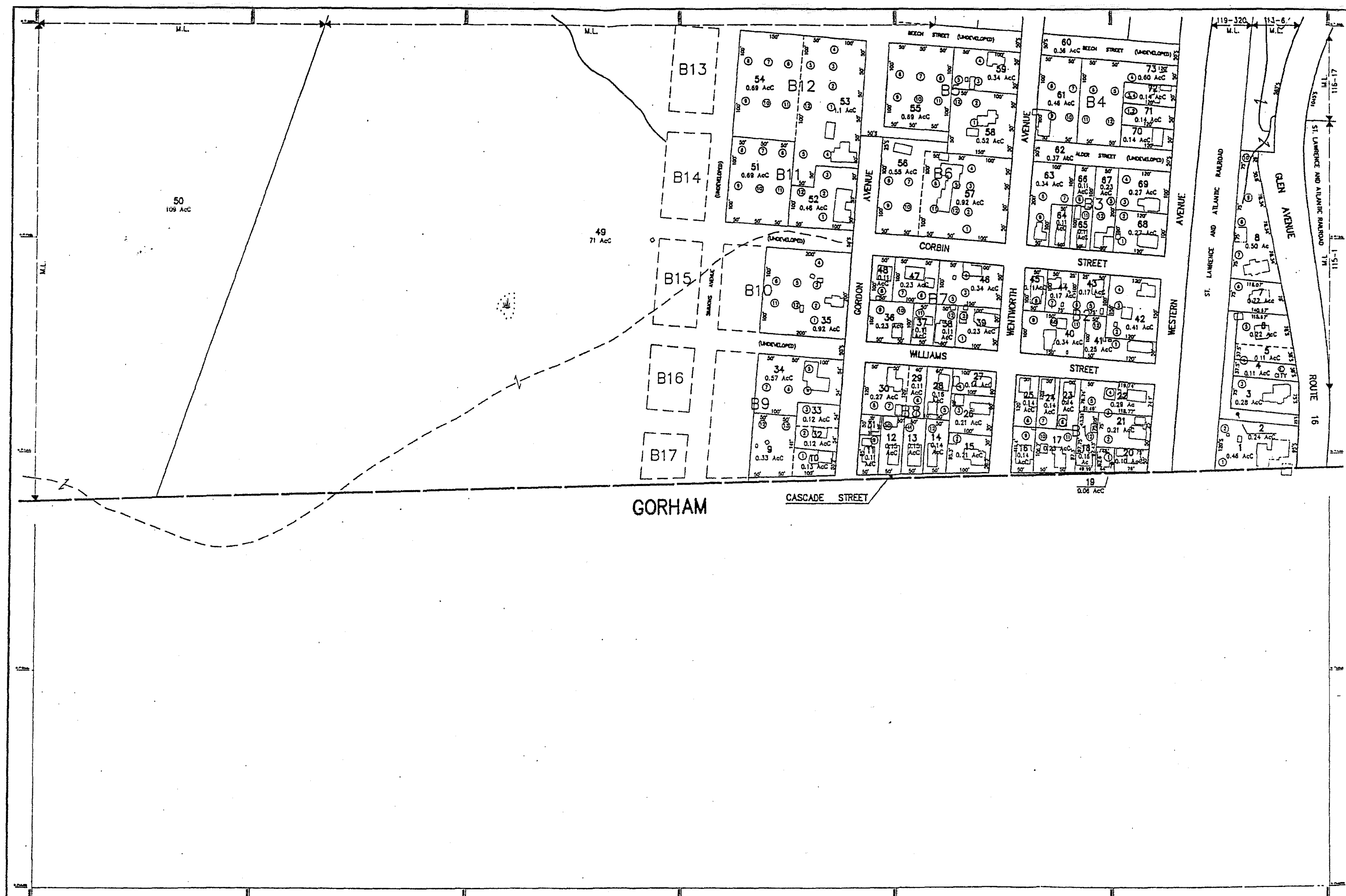
SCALE 1" = 100'
FEET 50 0 100 200 300
METERS 25 0 25 50 75
REVISED TO April 1, 1997

PROPERTY MAP
BERLIN
NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL BERKOWITZ

INDEX DIAGRAM
112 117
414 116
114 115

MAP NO.
113



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HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM – NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLER & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC. PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 28, 1992 (1"=750' FLIGHT); MAY 8, 1992 (1"=2000' FLIGHT) COMPLETION DATE: APRIL 15, 1993

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PROFESSIONAL CONSULTANTS
MUNICIPAL MAPPING – GIS – LAND SURVEYING
12 PLEASANT STREET, P.O. BOX 267, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 – (800)322-4540 – FAX (603)444-1366

LEGEND

AREA SURVEYED	Ac	MATCH LINE	M.L.	TAX EXEMPT PROPERTY	(E)
AREA CALCULATED	AcC	RIGHT OF WAY	R/W	SUBDIVISION LOT NO.	(2)
RECORD DIMENSION	100'	SURFACE WATER	W	BUILDING	
SCALED DIMENSION	100'S	WETLANDS		LOT/RANGE	L6R8
COMMON OWNERSHIP	— — OR			BLOCK NUMBER	B25

FEET SCALE 1" = 100'
50 0 100 200 300
METERS
25 0 25 50 75

REVISED TO: April 1, 1997

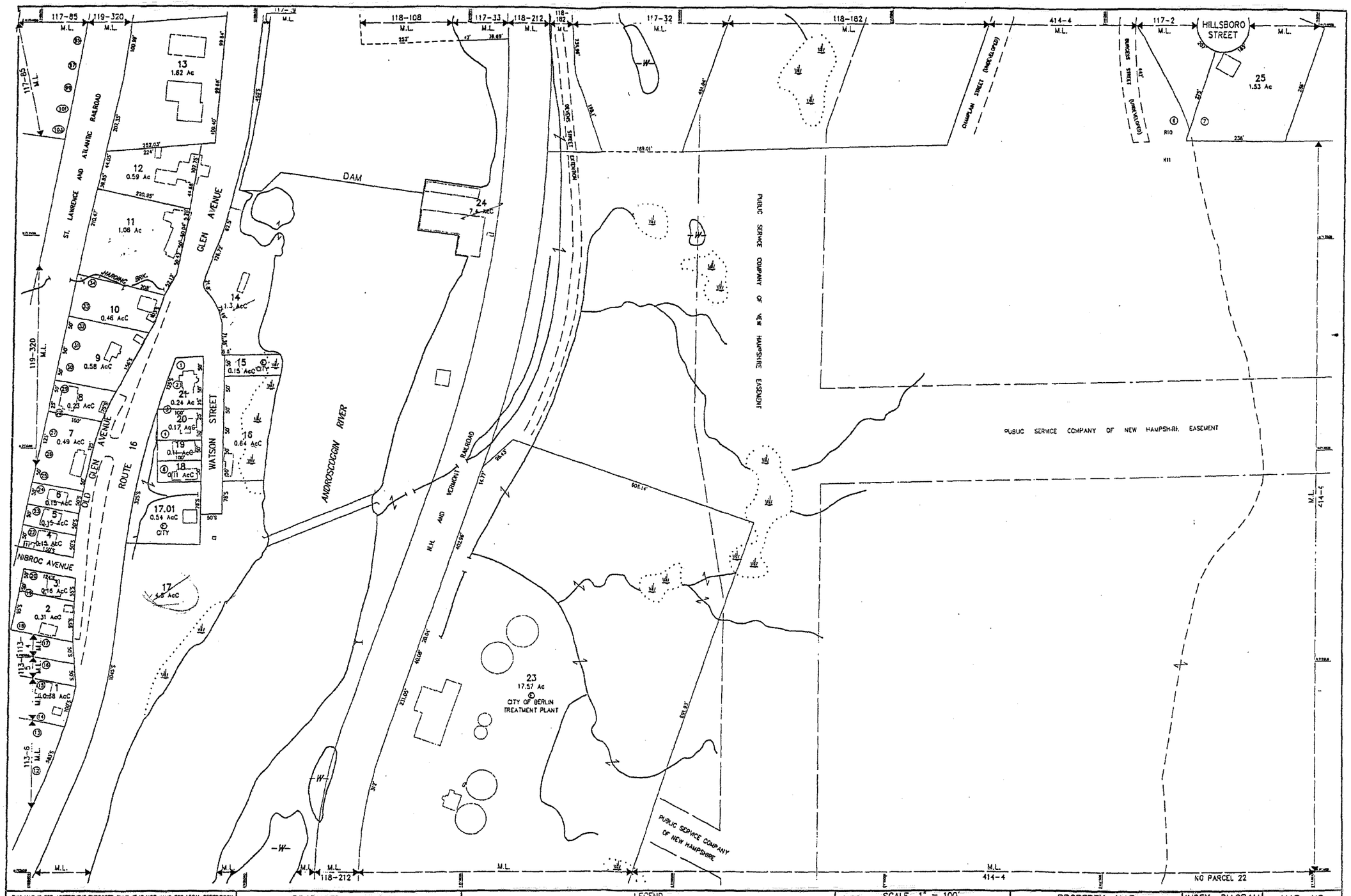
PROPERTY MAP
BERLIN
NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN

CONTRACTING OFFICIAL: CITY MANAGER – MITCHELL BERKOWITZ

INDEX DIAGRAM
113 | 115
414 | 115
414

MAP NO.
114



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HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM - NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLES & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 28, 1992 (1"=750' FLIGHT); MAY 9, 1992 (1"=2000' FLIGHT)
COMPLETION DATE: APRIL 15, 1993

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12 PLEASANT STREET, P.O. BOX 287, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 - (800)322-4540 - FAX (603)444-1368

AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . 100'
SCALED DIMENSION . . . . . 100'S
COMMON OWNERSHIP . . . . . OR

LEGEND
MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . W
WETLANDS . . . . .
TAX EXEMPT PROPERTY . . . . . E
SUBDIVISION LOT NO. 2
BUILDING . . . . .
LOT/RANGE 1.88
BLOCK NUMBER B25

FEET 50 0 100 200 300
METERS 25 0 25 50 75
SCALE 1" = 100'
REVISED TO : April 1, 1999

PROPERTY MAP
BERLIN
NEW HAMPSHIRE
CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL BERKOWITZ

INDEX DIAGRAM
112 117 131
113 414
114 115

MAP NO. 116

THIS MAP IS FOR ASSESSMENT PURPOSES ONLY. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.

HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM – NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

CPS CONTROL BY: COLLER & COLAVECHIO, INC. & CARTOGRAPHIC ASSOCIATES INC. PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 28, 1992 (1"=750' FLIGHT); MAY 6, 1992 (1"=2000' FLIGHT) COMPLETION DATE: APRIL 15, 1993

PRODUCED IN 1993 BY

CARTOGRAPHIC ASSOC. INC.

PROFESSIONAL CONSULTANTS

MUNICIPAL MAPPING – GIS – LAND SURVEYING

12 PLEASANT STREET, P.O. BOX 267, LITTLETON, NEW HAMPSHIRE 03561

(603)444-6768 – (800)322-4540 – FAX (603)444-1388

LEGEND

AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . 100'
SCALED DIMENSION . . . . . 100'S
COMMON OWNERSHIP . . . . . OR
MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . -W-
WETLANDS . . . . .
TAX EXEMPT PROPERTY . . . . . E
SUBDIVISION LOT NO. 2
BUILDING . . . . .
LOT/RANGE L/R8
BLOCK NUMBER B25

FEET SCALE 1" = 100'
50 0 100 200 300
25 0 25 50 75
METERS

REVISED TO : April 1, 1999

PROPERTY MAP

BERLIN

NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER – MITCHELL BERKOWITZ

INDEX DIAGRAM

111	118	130
112		131
113	116	414

MAP NO. 117

THIS MAP IS FOR ASSESSMENT PURPOSES ONLY. IT IS NOT VALID FOR LEGAL DESCRIPTION

HORIZONTAL DATUM IS THE N.H. STATE PLANE COORDINATE SYSTEM – NAD 1983 AND MEETS NATIONAL MAP ACCURACY STANDARDS.

GPS CONTROL BY: COLBY & COLANTONIO, INC. & CARTOGRAPHIC ASSOCIATES INC.
PHOTOGRAMMETRY BY: CHAS. H. SELLS, INC.

PHOTOGRAPHY DATE: APRIL 29, 1992 (1"=750' FLIGHT) MAY 9, 1992 (1"=2000' FLIGHT)

PRODUCED IN 1993 BY
CARTOGRAPHIC ASSOC. INC.
PROFESSIONAL CONSULTANTS
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12 PLEASANT STREET, P.O. BOX 267, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 - (800)322-4540 - FAX (603)444-1366

LEGEND

AREA SURVEYED ..... Ac
AREA CALCULATED ..... AcC
RECORD DIMENSION ..... 100'
SCALED DIMENSION ..... 100'S
COMMON OWNERSHIP ..... OR
MATCH LINE ..... M.L.
RIGHT OF WAY ..... R/W
SURFACE WATER ..... W
WETLANDS ..... W
TAX EXEMPT PROPERTY ..... E
SUBDIVISION LOT NO. 2
BUILDING .....
LOT/RANGE ..... LARR
BLOCK NUMBER B25

SCALE 1" = 100'
FEET 50 0 100 200 300
METERS 25 0 75 50 75

REVISED TO : April 1, 1999

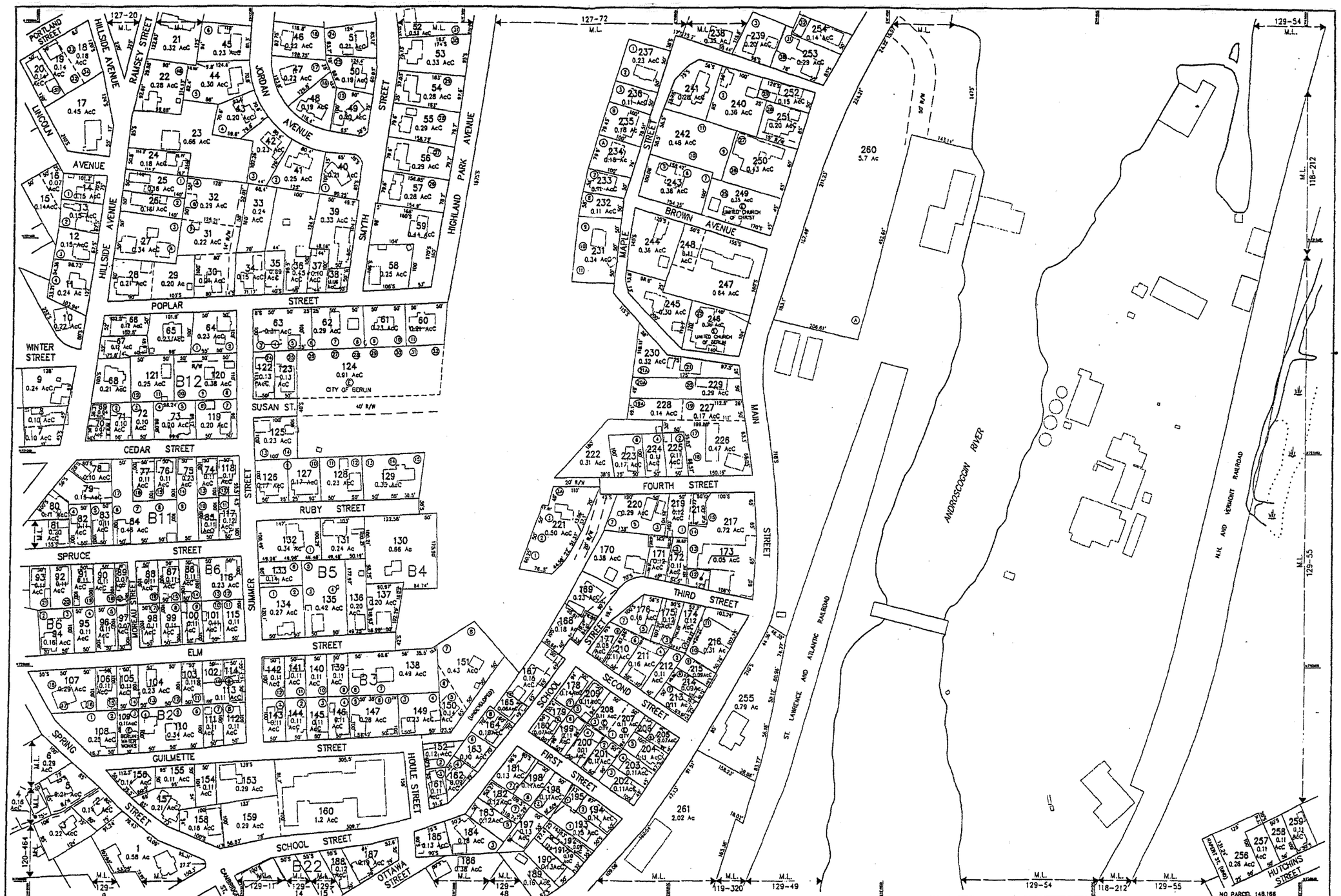
PROPERTY MAP
BERLIN
NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL BERNSTEIN

INDEX DIAGRAM

122	126	130
121		135
120	128	134

MAP NO. 127



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COMPLETION DATE: APRIL 15, 1993

PRODUCED IN BY
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PROFESSIONAL CONSULTANTS
MUNICIPAL MAPPING - GIS - LAND SURVEYING
12 PLEASANT STREET, P.O. BOX 267, LITTLETON, NEW HAMPSHIRE 03561
(603)444-6768 - (800)322-4540 - FAX (603)444-1356

LEGEND

AREA SURVEYED . . . . . Ac
AREA CALCULATED . . . . . AcC
RECORD DIMENSION . . . . . 100'
SCALED DIMENSION . . . . . 100'S
COMMON OWNERSHIP . . . . . OR

MATCH LINE . . . . . M.L.
RIGHT OF WAY . . . . . R/W
SURFACE WATER . . . . . -W-
WETLANDS . . . . . W

TAX EXEMPT PROPERTY . . . . . E
SUBDIVISION LOT NO. 3
BUILDING 1
LOT/RANGE 1.6AB
BLOCK NUMBER B25

FEET 50 0 100 200 300
METERS 25 0 25 50 75
SCALE 1" = 100'

REVISED TO : April 1, 1999

PROPERTY MAP
BERLIN
NEW HAMPSHIRE

CONTRACTING AUTHORITY: CITY OF BERLIN
CONTRACTING OFFICIAL: CITY MANAGER - MITCHELL BERKOWITZ

INDEX DIAGRAM
121 | 127 | 135
120 | | 134
119 | 129 | 133

MAP NO. 128

Tier Two Continuation Form

Chemical Description THE CHEMICAL NAME MUST BE IN ALPHABETICAL ORDER PLEASE	Physical and Health Hazards SEE INSTRUCTION PAGE 3	Inventory SEE INSTRUCTION PAGE 3 & 4	Storage Codes SEE INSTRUCTION PAGE 4	STORAGE LOCATIONS SEE INSTRUCTION PAGE 6 Only 105 characters available including word spaces (Please Print)
[X] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS 127184 Trade Secret [ ] Chem. Name PERCHLOROETHYLENE EHS Name Check all that apply: [ ] Pure [X] Mix [ ] Solid [X] Liquid [ ] Gas [ ] EHS	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [X] Delayed (chronic)	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-site (days): 365	Container Type / Pressure / Temperature C / 1 / 4 C / 1 / 5 C / 1 / 5 C / 1 / 5 C / 1 / 5 C / 1 / 5	PCB STORAGE VAULT SERVICE GARAGE DRYER AREA NE AND SW CORNERS PULP DRYER BUILDING #11 CRU BUILDING NORTH WALL RECOVERY AREA BASEMENT #8 CRU (3 TRANSFORMERS) RECOVERY AREA LIME KILN EAST AND WEST ENDS LIME KILN BUILDING DIGESTER BUILDING NORTH END PULPING A AREA
[X] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS 127184 Trade Secret [ ] Chem. Name PERCHLOROETHYLENE EHS Name Check all that apply: [ ] Pure [X] Mix [ ] Solid [X] Liquid [ ] Gas [ ] EHS	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [X] Delayed (chronic)	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-site (days): 365	Container Type / Pressure / Temperature C / 1 / 5 C / 1 / 5	SCREENS AND BLOW PITS PULPING AREA MACHINE SHOP 2ND FLOOR BURGESS MAINTENANCE
[ ] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS Trade Secret [ ] Chem. Name PERCOL 175 EHS Name Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid [ ] Gas [ ] EHS	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 03 No. of Days On-site (days): 365	Container Type / Pressure / Temperature C / 1 / 4 J / 1 / 4	BURGESS WWTP BWWTP BURGESS WWTP BWWTP
[ ] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS 7664382 Trade Secret [ ] Chem. Name PHOSPHORIC ACID (62% SOLUTION) EHS Name Check all that apply: [X] Pure [ ] Mix [ ] Solid [X] Liquid [ ] Gas [ ] EHS	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [X] Delayed (chronic)	Max. Daily Amount (code): 05 Avg. Daily Amount (code): 05 No. of Days On-site (days): 365	Container Type / Pressure / Temperature A / 1 / 4	NORTHEAST CORNER WWTP BUILDING BWWTP

Tier Two Continuation Form

Chemical Description THE CHEMICAL NAME MUST BE IN ALPHABETICAL ORDER PLEASE	Physical and Health Hazards SEE INSTRUCTION PAGE 3	Inventory SEE INSTRUCTION PAGE 3 & 4	Storage Codes SEE INSTRUCTION PAGE 4	STORAGE LOCATIONS SEE INSTRUCTION PAGE 6 Only 105 characters available including word spaces (Please Print)
[X] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS 12672-29-6 Trade Secret [ ] Chem. Name POLYCHLORINATED BIPHENYLS (PCB) EHS Name Check all that apply: [ ] Pure [X] Mix [ ] Solid [X] Liquid [ ] Gas [ ] EHS	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [X] Delayed (chronic)	Max. Daily Amount (code): 02 Avg. Daily Amount (code): 02 No. of Days On-site (days): 365	Container Type / Pressure / Temperature C / 1 / 4 C / 1 / 5 C / 1 / 6 C / 1 / 5 C / 1 / 6 C / 1 / 6	PCB STORAGE VAULT SERVICE GARAGE DRYER AREA SW CORNER PULP DRYER BUILDING DRYER AREA NE CORNER PULP DRYER BUILDING #11 CRU BUILDING N WALL RECOVERY AREA A BASEMENT #6 CRU (3 TRANSFORMERS) RECOVERY AREA LIME KILN E AND W ENDS OF BUILDING LIME KILN
[X] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS 12672-29-6 Trade Secret [ ] Chem. Name POLYCHLORINATED BIPHENYLS (PCB) EHS Name Check all that apply: [ ] Pure [X] Mix [ ] Solid [X] Liquid [ ] Gas [ ] EHS	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [X] Delayed (chronic)	Max. Daily Amount (code): 02 Avg. Daily Amount (code): 02 No. of Days On-site (days): 365	Container Type / Pressure / Temperature C / 1 / 5 C / 1 / 5 C / 1 / 5 C / 1 / 6	DIGESTER BUILDING N END PULPING AREA SCREENS AND BLOW PITS PULPING AREA MACHINE SHOP 2ND FLOOR BURGESS MAINTENANCE TURBINE BASEMENT CENTRAL STEAM
[ ] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS 7775-09-9 Trade Secret [ ] Chem. Name SODIUM CHLORATE (SOLID) EHS Name Check all that apply: [X] Pure [ ] Mix [X] Solid [ ] Liquid [ ] Gas [ ] EHS	[X] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	Max. Daily Amount (code): 06 Avg. Daily Amount (code): 05 No. of Days On-site (days): 365	Container Type / Pressure / Temperature Q / 1 / 4	CHLORATE UNLOADING AREA BLEACH PLANT
[X] CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE INFORMATION LISTED LAST YEAR. CAS 7775-09-9 Trade Secret [ ] Chem. Name SODIUM CHLORATE (SOLUTION) EHS Name Check all that apply: [ ] Pure [X] Mix [ ] Solid [X] Liquid [ ] Gas [ ] EHS	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	Max. Daily Amount (code): 05 Avg. Daily Amount (code): 05 No. of Days On-site (days): 365	Container Type / Pressure / Temperature A / 1 / 5	NORTH SIDE OF ALPHA PLANT BLEACH PLANT

Current trans Report

Area_resp	Class	Bill no	Location	Gallons	Mfg
Burgess					
	NON PCB				
		4	Floc Plant Pole Type	600	Westinghouse
		49	Inst. Roof O/S	25	Pittsburgh
		201	Cross Power stor	0	Stanley
		208	Research	30	G E
		259	Research	30	Westinghouse
		429	Research	91	Westinghouse
		438	Burgess WWTP	265	G E
		439	Burgess 22KV	170	Westinghouse
		463	Motor Repair (Res)	50	G E
		464	Motor Repair (Res)	50	G E
		481	Research	10	Moloney
		491	Research - Sal. Roof	50	G E
		525	Floc Plant Pole type	10	Allis Chalmers
		647	Floc Sub	2230	Pennsylvania
		648	Tractor Shop Storage	2230	Pennsylvania
		675	D C Dam	60	Westinghouse
		676	Floc Plant	60	Westinghouse
		679	Tractor Shop Storage	60	Westinghouse
		680	Car Shop Pole type	10	Westinghouse
		699	Heine Boiler #2	264	Wagner
		703	Tractor Shop Storage	1400	Westinghouse
		710	Central Steam Turbin	1820	Westinghouse
		718	Tractor Shop Storage	723	Westinghouse
		718	Tractor Shop Storage	723	Westinghouse
		726	Floc Hydrogen Sub	200	Maloney
		728	West of Bleachery	1400	Westinghouse
		729	Central Steam Turbin	1820	Westinghouse
		731	Research Basement		GE
		763	Burgess Main Sub.	1961	Westinghouse
		781	Tractor Shop Storage	1310	Westinghouse
		784	Riverside Hydro	1150	G E
		786	Floc Storage	358	Westinghouse
		787	Tractor Shop Storage	1000	G E
		788	Tractor Shop Storage	557	Westinghouse

Area_resp	Class	Mill no	Location	Gallons	Mfg
		789	#11 Boiler	0	G E
		791	Burgess Area Sub	1220	G E
		793	Tractor Shop Storage	600	Westinghouse
		794	#14 Boiler	1008	Westinghouse
		795	#14 Boiler	300	G E
		806	Wood Room Sub	354	Westinghouse
		807	New Bleachery	345	Westinghouse
		808	Pulp Mill	175	Westinghouse
		809	Pulp Mill	175	Westinghouse
		812	Burgess WWTP	500	Magnetic
		815	Kraft Mill	623	Westinghouse
		816	Kraft Mill Riverbank	623	Westinghouse
		817	#1 Bleach Plant	386	Westinghouse
		818	#11 CRU	267	ABB
		819	#11 CRU	287	ABB
		9991	Floc Plant (Mill)	10	
		9999	Floc Plant (Sub)	10	
	Total NON PCB			*27508 Gallons*	
	PCB				
		582	Main Kraft Mill Sub.	450	G E
		583	Main Kraft Mill Sub.	450	G E
		584	Main Kraft Mill Sub.	468	G E
		635	Ser Garage Vault	286	G E
		686	Kraft Screen	425	G E
		696	#2 Dryer	425	G E
		697	Lg Blow Pit Sub	425	G E
		712	Central Steam	10	Westinghouse
		714	Lg Blow Pit Sub	515	Westinghouse
		727	Sm Blow Pit Sub	515	Westinghouse
		745	Horse Shoe Court	380	G E
		764	Pulp Mill	294	Westinghouse
		767	IMPCO Washer Sub	294	Westinghouse
		768	#11 Boiler Sub	411	Westinghouse
		769	Ser Garage Vault	289	Westinghouse
		770	Kraft Causticizing	289	Westinghouse
		771	Kraft Causticizing	289	Westinghouse
		774	Ser Garage Vault	187	G E

Area_resp	*Class*	*Mill no*	*Location*	*Gallons*	*Mfg*
		Total PCB		*6383 Gallons*	
	PCB CONT				
		779	Burgess Area	760	Westinghouse
		Total PCB CONT		*760 Gallons*	
		Total for Burgess		**34651 Gallons**	

Section II - BURGESS OIL TANKS

Tank Number	Identity	Contents	Capacity (Gal)
B01	Central Steam Bulk Tank	#6 Fuel Oil	500000
B02	Central Steam Day Tank	#6 Fuel Oil	14000
B03	Central Steam #2 Oil Tank	#2 Oil or Waste Oil	1000
B04	Central Steam Fuel Additive	Waste Oil	5000
B05	#11 Bulk Storage Tank	#6 Fuel Oil	192500
B06	Lime kiln Tank	#6 Fuel Oil	30000
B07	Woodroom #1	Diesel Fuel	1000
B08	Woodroom #2	Diesel Fuel	1000
B09	Windberg Screw	Lube Oil	50
B11	Receiving Deck	Hydraulic Oil	300
B12	Truck Dumper #2	Hydraulic Oil	275
B15	Service Garage #1	Lube/Engine Oil	275
B16	Service Garage #2	Lube/Engine Oil	275
B17	Service Garage #3	Lube/Engine Oil	275
B18	Service Garage #4	Lube/Engine Oil	275
B19	Service Garage #5	Lube/Engine Oil	275
B20	Service Garge Heating Oil #1	#2 Oil	275
B21	Service Garge Heating Oil #2	#2 Oil	275
B22	Service Garage Kerosene	Kerosene	280
B23	Mt Carberry Landfill	Diesel Fuel	1000
B24	Woodyard Scales #1	#2 Oil	300
B25	Woodyard Scales #2	#2 Oil	300
B26	BWWTP	#2 Fuel	1000
B27	#1 Turbine	Lube Oil	450
B28	#4 Turbine	Lube Oil	450
B29	#11 CRU ID Fan	Lube Oil	250
B30	#11 Dryer Bowser System	Lube Oil	2000
B31	Dominion Press	Lube Oil	600
B32	Truck Dumper #2 Hydraulic Storage	Hydraulic Oil	300
B33	Dryer Lube Oil Storage #1	Lube Oil	550
B34	Dryer Lube Oil Storage #2	Lube Oil	550
B35	Valmet Garage Lube #1	Lube Oil	275
B36	Valmet Garage Lube #2	Lube Oil	275
B37	Munee's Diesel Tank	Diesel Fuel	2000
B38	Munee's Gasoline Tank	Unleaded gasoline	3000
			760630

Oil Tanks1

Tank Number	Identity	Contents	Capacity (Gal)	Contact Person
ABBWWTP	Absorbent Booms BWW	Are they available?		Lucie Kinney
ABCWWTP	Absorbent Booms CWW	Are they available?		Lucie Kinney
B01	Central Steam Bulk Tan	#6 Fuel Oil	500000	Ray Aube
B02	Central Steam Day Tan	#6 Fuel Oil	14000	Ray Aube
B03	Central Steam #2 Oil Ta	#2 Oil or Waste Oil	1000	Ray Aube
B04	Central Steam Fuel Addi	Waste Oil	5000	Ray Aube
B05	#11 Bulk Storage Tank	#6 Fuel Oil	192500	Carl Belanger
B06	Lime kiln Tank	#6 Fuel Oil	30000	Carl Belanger
B07	Woodroom #1	Diesel Fuel	1000	John Carpenter
B08	Woodroom #2	Diesel Fuel	1000	John Carpenter
B09	Windberg Screw	Lube Oil	50	Ray Aube
B11	Receiving Deck	Hydraulic Oil	300	John Carpenter
B12	Truck Dumper #2	Hydraulic Oil	275	Roger Hayford
B15	Service Garage #1	Lube/Engine Oil	275	Joe Croteau
B16	Service Garage #2	Lube/Engine Oil	275	Joe Croteau
B17	Service Garage #3	Lube/Engine Oil	275	Joe Croteau
B18	Service Garage #4	Lube/Engine Oil	275	Joe Croteau
B19	Service Garage #5	Lube/Engine Oil	275	Joe Croteau
B20	Service Garge Heating	#2 Oil	275	Joe Croteau
B21	Service Garge Heating	#2 Oil	275	Joe Croteau
B22	Service Garage Kerosen	Kerosene	280	Joe Croteau
B23	Mt Carberry Landfill	Diesel Fuel	1000	Dave Marcotte
B24	Woodyard Scales #1	#2 Oil	300	John Carpenter
B25	Woodyard Scales #2	#2 Oil	300	John Carpenter
B26	BWWTP	#2 Fuel	1000	Lucie Kinney
B27	#1 Turbine	Lube Oil	450	Conrad Chevarie
B28	#4 Turbine	Lube Oil	450	Conrad Chevarie
B29	#11 CRU ID Fan	Lube Oil	250	Roger Hayford
B30	#11 Dryer Bowser Syste	Lube Oil	2000	Roger Hayford
B31	Dominion Press	Lube Oil	600	Roger Hayford

Tank Number	Identity	Contents	Capacity (Gal)	Contact Person
B32	Truck Dumper #2 Hydra	Hydraulic Oil	300	Roger Hayford
B33	Dryer Lube Oil Storage	Lube Oil	550	Roger Hayford
B34	Dryer Lube Oil Storage	Lube Oil	550	Roger Hayford
B35	Valmet Garage Lube #1	Lube Oil	275	John Carpenter
B36	Valmet Garage Lube #2	Lube Oil	275	John Carpenter
B37	Munce's Diesel Tank	Diesel Fuel	2000	Joe Croteau
B38	Munce's Gasoline Tank	Unleaded gasoline	3000	Joe Croteau
C02	Cascade Boiler House	Kerosene	275	Leo O'Neil
C03	Cascade Boiler House B	#6 Fuel Oil	150000	Leo O'Neil
C04	Cascade Boiler House D	#6 Fuel Oil	15000	Leo O'Neil
C06	Cascade Maintenance	Diesel Fuel	350	Roger Hayford
C07	Cascade Waste Oil #1	Waste oil	275	Leo O'Neil
C08	Cascade Waste Oil #2	Waste oil	275	Leo O'Neil
C09	Cascade Waste Oil #3	Waste oil	275	Leo O'Neil
C10	Cascade Maintenance	Diesel	275	Roger Hayford
C11	#7 Turbine	Lube Oil	450	Conrad Chevarie
C12	#1 P.M. Bowser	Lube Oil	2750	Roger Hayford
C13	#2 P.M. Bowser	Lube Oil	1500	Roger Hayford
C14	#3 P.M. Bowser	Lube Oil	440	Roger Hayford
C15	#4 P.M. Bowser	Lube Oil	440	Roger Hayford
C16	#9 P.M. Bowser System	Lube Oil	7000	Roger Hayford
C19	#1 PM Calander Stack	Hydraulic Oil	220	Roger Hayford
C20	#2 PM Calander Stack	Hydraulic Oil	220	Roger Hayford
C21	#3 PM Calander Stack	Hydraulic Oil	220	Roger Hayford
C22	#3 PM 2nd Press Hydra	Hydraulic Oil	220	Roger Hayford
C23	#4 PM Calandar Stack	Hydraulic Oil	220	Roger Hayford
C24	#4 PM 2nd Press Hydra	Hydraulic Oil	220	Roger Hayford
C25	Lift Station Emergency	Diesel	500	Lucie Kinney
C26	Cascade WWTP Heatin	#2 Fuel	1000	Lucie Kinney
C27	#2 PM 2nd Press Hydra	Hydraulic Oil	75	Roger Hayford
C28	#1 PM Nipco Tri-Press	Hydraulic Oil	330	Roger Hayford
C29	Bowser Bulk Tank	Lube Oil	6288	Roger Hayford
C30	#9 PM Blind Drill Press	Hydraulic Oil	100	Roger Hayford

Tank Number	Identity	Contents	Capacity (Gal)	Contact Person
C31	#9 PM 1st Press Loadin	Hydraulic Oil	100	Roger Hayford
C32	#9 PM Yankee Suction	Hydraulic Oil	100	Roger Hayford
C33	#2 Winder Hydraulics	Hydraulic Oil	110	Roger Hayford
C34	#9 PM Core Puller	Hydraulic Oil	100	Roger Hayford
C35	#9 PM Jumbo Roll Elev	Hydraulic Oil	100	Roger Hayford
C36	#9 PM Jumbo Roll Lowe	Hydraulic Oil	100	Roger Hayford
TB647	Floc Substation T-647	Transformer Oil	2230	Paul Guay
TB648	Tractor Shop Storage T	Transformer Oil	2230	Paul Guay
TB703	Tractor Shop Storage T	Transformer Oil	1400	Paul Guay
TB710	Central Steam Turbine	Transformer Oil	1820	Paul Guay
TB716	Tractor Shop Storage T	Transformer Oil	723	Paul Guay
TB718	Tractor Shop Storage T	Transformer Oil	723	Paul Guay
TB728	West of Bleachery T-72	Transformer Oil	1400	Paul Guay
TB729	Central Steam Turbine	Transformer Oil	1820	Paul Guay
TB763	Burgess Main Sub T-76	Transformer Oil	1961	Paul Guay
TB779	Burgess Area Sub T-77	Transformer Oil	760	Paul Guay
TB781	Tractor Shop Storage T	Transformer Oil	1310	Paul Guay
TB784	Riverside Hydro T-784	Transformer Oil	1160	Paul Guay
TB787	Tractor Shop Storage T	Transformer Oil	1000	Paul Guay
TB791	Burgess Area Sub T-79	Transformer Oil	1220	Paul Guay
TB794	#14 Boiler T-794	Transformer Oil	1006	Paul Guay
TC595	Cascade Hydro T-595	Transformer Oil	690	Paul Guay
TC598	Cascade Hydro T-598	Transformer Oil	690	Paul Guay
TC631	Cascade Hydro T-631	Transformer Oil	2780	Paul Guay
TC759	Cascade Hydro T-759	Transformer Oil	1195	Paul Guay
TC796	#7 Substation T-796	Transformer Oil	950	Paul Guay
TC797	#7 Substation T-797	Transformer Oil	950	Paul Guay
TC801	#7 Substation T-801	Transformer Oil	946	Paul Guay
TC805	#7 Substation T-805	Transformer Oil	750	Paul Guay
XB10	Air Compressor	Removed 1996	35	
XB13	Truck Dumper #1	Hydraulic Oil	0	
XB14	Dryer	Kerosene - Rem2000	275	
XC01	#10 Paper Machine	#2 Oil - Removed 8/00	25000	

Tank Number	*Identity*	*Contents*	*Capacity (Gal)*	*Contact Person*
XC05	Boiler House Fuel Additi	Nalco Fuel Tech 7263	400	Leo O'Neil
XC17	#10 P.M. Bowser Syste	Removed 1996	250	
XC18	Cascade WWTP UST	Removed 1996	0	

JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE October 27, 1987

TO Ray Danforth - Berlin

FROM Dave Edelman - CES/Camas

SUBJECT Reference 869 - Soils PCB Content

ENVIRONMENTAL AFFAIRS

NOV 02 1987

RICHMOND

Samples of soil received here October 26 gave been analyzed for trace residues of polychlorinated biphenyls (PCBs). We detect 0.4-2.2 µg/g (ppm) Aroclor 1260 PCBs in the soil samples. Results are shown in Table 1 based upon the samples as received.

Dave Edelman, P.

DAVE EDELMAN/kb/1350E

cc:
Frank Vincent - Neenah
Earl Hanson - Richmond

Attachment

FORM 5343 REV 7-85

TABLE 1

JAMES RIVER CORPORATION - BERLIN/GORHAM GROUP

OIL PCB CONTENT

(Reference 869)

Sample Description	PCB Result in ug/g (ppm) Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
10/23/87:						
Floc Area #1	ND	ND	ND	ND	0.80	0.80
Floc Area #2	ND	ND	ND	ND	0.78	0.78
Floc Area #3	ND	ND	ND	ND	2.2	2.2
Floc Area #4	ND	ND	ND	ND	0.40	0.40

ND means none detected. Detection limit estimated at 0.2 ug/g (ppm).

Pressure Test* & Replacement Dates of Underground Storage Tanks

Tank #	Contact	Location	Size (Gal)	Date Installed	Type of Liquid	Actual Test Date	Actual Test Date	Test By	Actual Test Date	Test By	Actual Test Date	Replace Tank By
1	J. Marshall	Cascade WWTP	4000	1975	# 2 oil	7/14/88	LT	5/9/98				12/31/2000
** 2	Charlie Fysh	Cascade Boiler	25000	pre 1961	# 6 oil	TANK REMOVED 6/26/86 PER STATE OF NH						
** 3	Charlie Fysh	Cascade Boiler	25000	pre 1961	# 6 oil	TANK REMOVED 6/26/86 PER STATE OF NH						
** 4	W. Martin	Service Garage	1000	1970	Gasoline	TANK REMOVED 8/21/86 PER STATE OF NH						
** 5	D. Marcotte	Service Garage	1000	1983	# 2 oil	TANK REMOVED 11/18/92 PER STATE OF NH						
** 6	W. Martin	Service Garage	6000	1965	Gasoline	TANK REMOVED 8/21/86 PER STATE OF NH						
** 7	W. Martin	Service Garage	3000	1969	Diesel	TANK REMOVED 8/21/86 PER STATE OF NH						
** 8	D. Marcotte	Service Garage	500	1983	Used Oil	7/25/89	TANK REMOVED 11/18/92 PER STATE OF NH					
** 9	J. Marshall	Burgess WWTP	4000	1975	# 2 oil	7/13/88	TANK REMOVED 7/20/93 PER STATE OF NH					
** 10	G. Etter	B Filter Plant	275	1983	Gasoline	7/13/88	TANK REMOVED 6/4/90 PER STATE OF NH					
11	D. Mercier	Sawmill Hydro	2000	1980	Kerosene	8/15/89	LT	11/9/98		11/2003		12/31/2005
** 12	B. Thomas	Woods-Cambridge	1000	1975	Gasoline	7/14/88	TANK REMOVED 7/20/93 PER STATE OF NH					
** 13	B. Thomas	Woods-Cambridge	1000	1975	Gasoline	7/14/88	TANK REMOVED 7/20/93 PER STATE OF NH					
14	D. Marcotte	Woods-Tractor Shop	3000	1981	Diesel	7/24/89	12/15/92	12/22/94		11/2004		12/31/2006
15	D. Marcotte	Woods-Tractor Shop	3000	1981	Gasoline	7/24/89	12/15/92	12/22/94		11/2004		12/31/2006
**16	D. Marcotte	Woods-Tractor Shop	500	1981	Used Oil	7/24/89	TANK REMOVED 11/18/92 PER STATE OF NH					
**17	D. Marcotte	Woods-Tractor Shop	500	1981	Used Oil	7/24/89	TANK REMOVED 11/18/92 PER STATE OF NH					
**G1	Groveton	Riverside Trucking	10000	1979	Diesel	7/24/89	TANK REMOVED 7/21/92 PER STATE OF NH					
**G2	Groveton	Riverside Trucking	10000	1979	Diesel	7/24/89	TANK REMOVED 7/21/92 PER STATE OF NH					

** HAVE BEEN REMOVED-FOUND ON FORM ONLY AS INFORMATION

USTTOT3:UST1

Pressure Test* & Replacement Dates of Underground Storage Tanks

Tank #	Contact	Location	Size (Gal)	Date Installed	Type of Liquid	Actual Test Date	Actual Test Date	Test By	Actual Test Date	Test By	Actual Test Date	Replace Tank By
1	J. Marshall	Cascade WWTP	4000	1975	# 2 oil	7/14/88	LT	12/31/93				12/31/2000
11	D. Mercier	Sawmill Hydro	2000	1980	Kerosene	8/15/89	LT	12/31/93				12/31/2005
14	D. Marcotte	Woods-Tractor Shop	3000	1981	Diesel	7/24/89	12/15/92	12/31/93				12/31/2006
15	D. Marcotte	Woods-Tractor Shop	3000	1981	Gasoline	7/24/89	12/15/92	12/31/93				12/31/2006

UST93:UST1

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

July 9, 1990

Mr. Lynn A. Woodard
Oil Compliance Section
Groundwater Protection Bureau
Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

Dear Mr. Woodard:

On June 4, 1990 one 275 gallon gasoline UST (Tank #10) and one 275 gallon diesel aboveground tank were removed. Both tanks were in relatively good shape and the tank walls appeared to be intact. Bob Delisle from the Berlin City Health Department also inspected these tanks. There was some evidence of contamination in the pit where the gasoline tank had been setting. This is believed to be due to overfilling and spillage in that area. Soil and water samples were taken from around both tanks and sent away for analysis. The results are enclosed with this letter. Also enclosed are maps which show the location of the tanks and the sample points.

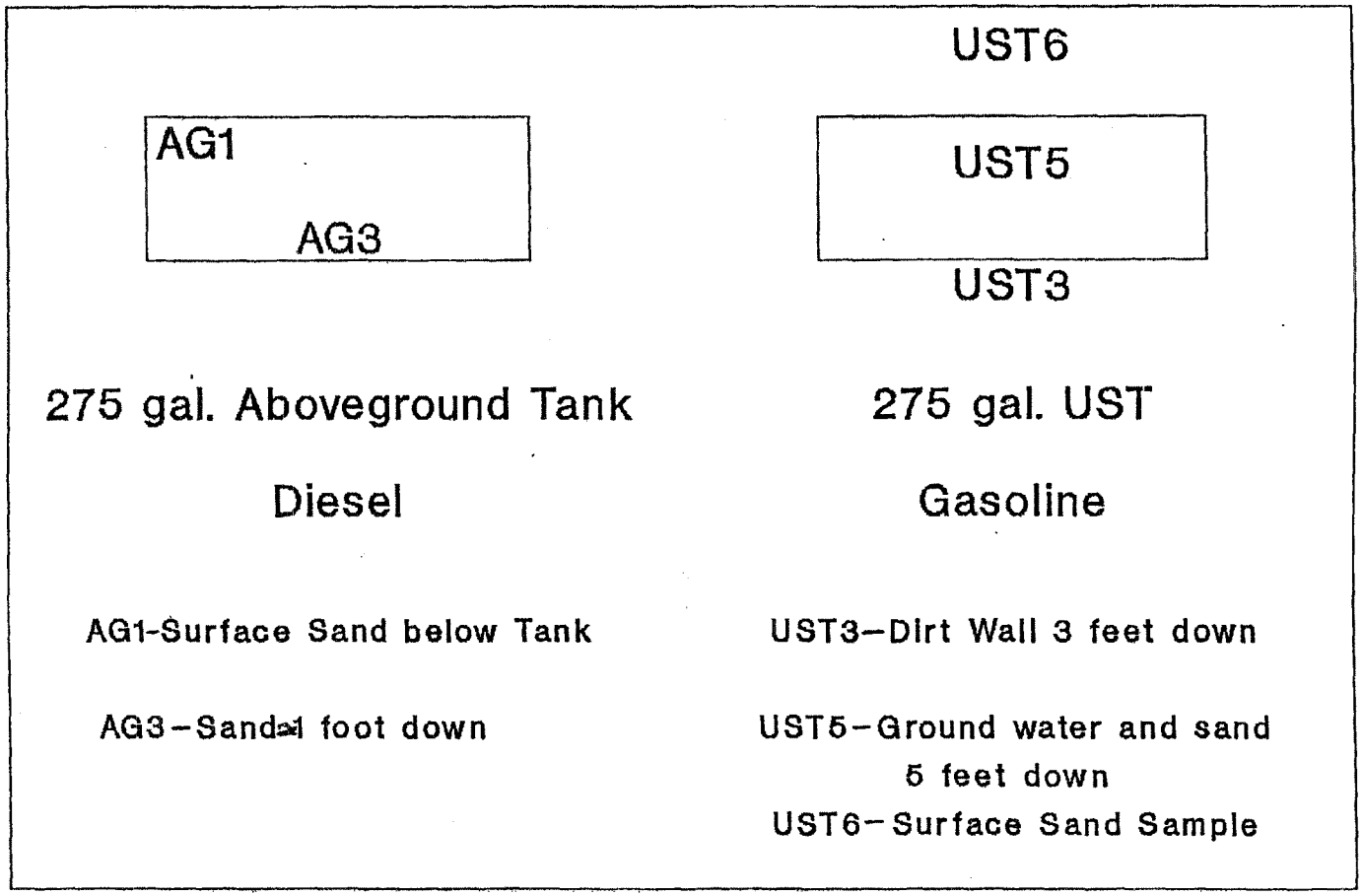
As there are signs of some contamination, we would like to have one of your people come here and survey the site with us so that we may come to a mutual agreement regarding cleanup. Please contact me if this is an acceptable course of action for you. I can be reached at 752-4600 ext. 2363. Thank you for your time.

Sincerely,

Jeffrey D. O'Hearn
Environmental Engineer

cc. Bob Delisle - Berlin Health Dept.

State 1: A1



JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE July 3, 1990

TO Jeff O'Hearn - Berlin

FROM Ray Hanson - CES/Camas

SUBJECT Job 900332. Soil Samples for BTEX, TPH, & Volatiles.

Five soil samples were received on June 7, 1990. Four other bottles were received broken in transit. The results for BTEX and TPH are given in Table 1. We did not have freon free from nitromethane, so we conducted gravimetric analysis for TPH rather than EPA method 418.1 using infrared spectrophometry. The volatile compounds found in sample UST5 and its liquid phase are reported in Table 2. If you have further questions please call me at (206) 834-8320.

Ray L. Hanson

RAY HANSON/dr
CES/Camas

cc: Dwight Easty - CES/Camas
Earl Hanson - Richmond
Jon Wilkinson - Berlin

Table 2

Volatile Components in Sample UST5

Compounds	Solid Phase (µg/g)	Liquid Phase (µg/L)
Acetone	87.0	2400
Carbon Disulfide	0.010	ND<100
Methyl Ethylketone	193.	ND<100
Chlorobenzene	1.4	ND<100

Table 1

Samples:	AG1	AG3	UST3	UST5	UST6	UST5 Liquid Phase
% Solids:	92.2	86.3	84.6	68.7	93.7	
TPH*(mg/g)	5.60	6.07	0.104	0.160	None	17.8 mg/L
Benzene (μg/g)	2.6	1.5	1.04	20.	0.48	5900 μg/L
Toluene (μg/g)	2.9	1.5	2.8	121.	0.44	15,000 μg/L
Ethylbenzene (μg/g)	6.4	0.50	0.27	24.	0.15	2300 μg/L
m-xylene (μg/g)	0.36	0.28	1.6	31.	0.18	7900 μg/L
o&p-xylene (μg/g)	0.50	0.89	1.5	25.	0.23	6700 μg/L

* Total petroleum hydrocarbon by freon extraction, silica gel cleanup of polar residues, oil, and grease. Residue weighed following evaporation of the freon.

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

October 13, 1992

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

Dear Mr. Beaulieu:

In accordance with Env-Ws 411.18 (c) Permanent Closure we would like to inform you of our intent to remove the following Underground Storage Tanks during the week of November 16, 1992. We intend to remove a minimum of three tanks with the possibility of a fourth. These tanks include:

Tank #	Tank Contents	Tank Volume	Tank Location
5	#2 Fuel Oil	1000 gallons	Service Garage
16	Used Oil	500 gallons	Tractor Shop
17	Used Oil	500 gallons	Tractor Shop
and possibly 8	Used Oil	500 gallons	Service Garage

If there are any questions or concerns please contact me at (603)752-4600 ext. 2363.

Sincerely,

Jeffrey O'Hearn
Environmental Engineer

ustrem1:ust1

cc: R. Danforth
J. Kusche
D. Marcott

Town Berlin Date of Closure [illegible]

comp

Initial [illegible]

New Hampshire Department of Environmental Services (603) 271-3644

TANK CLOSURE REPORT FORM

Telephone Message

Name Jeff O'Hern

Street 650 Main St

City Berlin

Initial TB

Date: 6/28/93

Telephone: 342-2363

Fax # 342-2370

2. **Facility Registration Number:** 0-112765

Name James River Corp.

Street 650 Main St

City Berlin

3. Owner Name

Name James River Corp

Street 650 main St

City Berlin

State NH Zip 03570 Telephone 603 342-2363

4. Tank Removal Information

*** Indicate suspected leakers. ***

Tank # 12	Tank # 13	Tank # 9	Tank #	Tank #
Size 1000	Size 1000	Size 4000	Size	Size
Product GAS	Product GAS	Product GAS #2 fuel	Product	Product
will tank be replaced? Yes No	will tank be replaced? Yes No	will tank be replaced? Yes No	will tank be replaced? Yes No	will tank be replaced? Yes No

5. Consultant Unk None JR rep. Jeff O'Hearn

Local Fire Dept. Notified Unk Yes

7. Inspector Jeff O'Hearn Date 7/20/93

8. Field Screening Methods (tank and piping):

HNU Photoionizer model PI 101 10.2 eV probe

#12 = 10.2 background 1.6

#13 vac = 6.0

In Tank 12 - ND

13 - ND

9. Sample Information

tank # 12	tank # 13	tank # 9	tank #	tank #
Soil \ Water None	Soil \ Water None	Soil \ Water ✓	Soil Water	Soil Water

Taken By: Jeff O'Hearn

10. Tank Condition:

tank # 12 Rust but sturdy	tank # 13 Rust but sturdy	tank # 9 Bung missing	tank #	tank #
Hole holes detected	No holes detected	Excellent condition		

11. Indicate tank and sample locations by sketching on back of this report.

12. Include photographs of the excavation and tank(s) condition if avaliable.

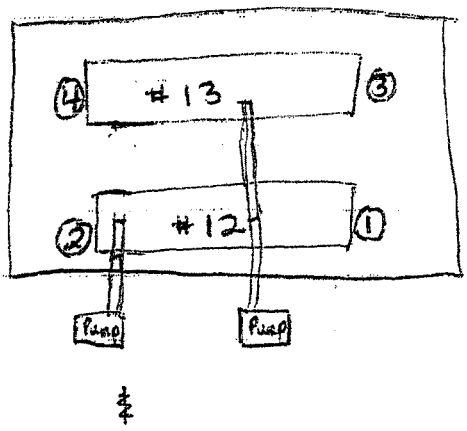
13. **Estimated cubic yards of stock piled contaminated soil:** 4 cubic yards

14. Verification

I've inspected the site of the removed tank(s), including the entire excavation area. I am knowledgable in field observation techniques to determine regulated substance contamination in soils and groundwater. There is no evidence of soil or groundwater contamination at the site. I have also inspected the excavated tank(s) and found no evidence of leakage.

Name:	Signature:	Date:

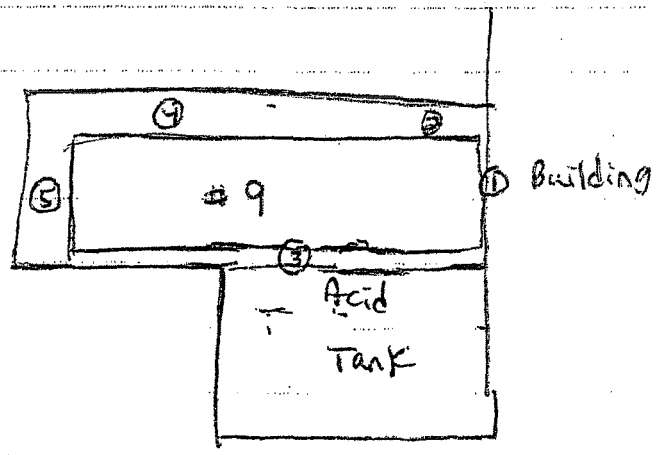
Lakeside Camp



① & ② composited into sample for tank #12

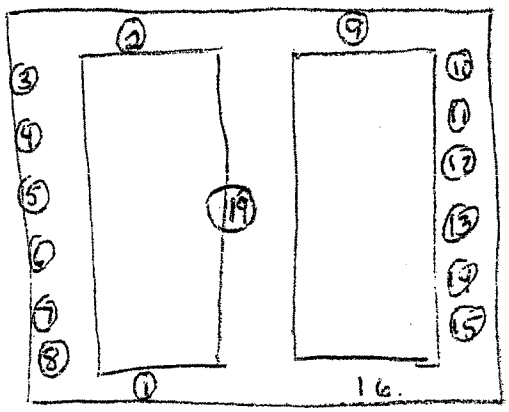
③ & ④ composited into sample for tank #13

Burgess WWTP



① @ ③ ④ ⑤ - composited into one sample
VOC sample taken of groundwater.

Groveton



① → ⑧ composited into one sample for G1

⑨ → ⑯ composited into one sample for G2.

⑲ water sample taken for VOC testing.

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

January 18, 1993

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

RE: UST Removal on November 18, 1992

Dear Mr. Beaulieu:

Enclosed please find a written report regarding the permanent closure of four underground storage tanks from our facility on November 18, 1992. The tanks were removed by James River personnel and witnessed by Rick Treese from your Division. Analytical data is included of the soil and groundwater samples which were taken on the day of removal. Pictures of the tanks and pits have also been included.

If there is any other information that you require please contact me at (603) 752-4600 ext. 2363.

Sincerely,

Jeff O'Hearn
Environmental Engineer

ustrem92:ust1.jdo

cc: R. Danforth

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Service Garage
650 Main St. Berlin, NH 03570

Tank#: 8
Tank Volume: 500 gallons
Tank Contents: Waste Oil
Tank Location: Tank located beneath parking lot at Service Garage
Removal Date: November 18, 1992

Visual Inspection:

Ground water present in pit when tank was removed. Oil film on surface of water. A few small holes were detected in the tank. Pictures were taken of pit and tank and are included with the report.

Olfactory Inspection:

VOC headspace analysis	0.5 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Oil absorbent pads were added to the surface of the water to remove oil. Two grab samples of soil were taken from the walls of the pit at approximately 3 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping. One sample of the liquid was taken for VOC analysis once oil was removed (Method 624 or 8240).

Laboratory Results:

% Solids	87.6
TPH	6.4 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

VOC of water sample: Attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Service Garage
650 Main St. Berlin, NH 03570

Tank#: 5
Tank Volume: 1000 gallons
Tank Contents: #2 Heating Oil
Tank Location: Tank located beneath parking lot at Service Garage.
Removal Date: November 18, 1992

Visual Inspection:

Small amount of groundwater detected at bottom of pit. No visible contamination of water readily apparent. Tank appeared to be in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	0.7 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at each end of the tank at approximately 4 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	92.4
TPH	260 ppm dry basis
TPH (dup)	290 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 16
Tank Volume: 500 gallons
Tank Contents: Waste Oil
Tank Location: Tank located beneath parking lot at Tractor Shop
Removal Date: November 18, 1992

Visual Inspection:

No groundwater was detected in the pit. Tank appeared to be in good condition. Some visible contamination was present on top of tank. This was traced to a union on a diesel line that ran over the tank. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	0.4 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at each end of the tank at approximately 4 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	92.9
TPH	4800 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 17
Tank Volume: 500 gallons
Tank Contents: Waste Oil
Tank Location: Tank located beneath parking lot at Tractor Shop
Removal Date: November 18, 1992

Visual Inspection:

No groundwater was detected in the pit. Tank appeared to be in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	0.4 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at each end of the tank at approximately 4 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	91.6
TPH	570 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE January 5, 1993

TO Jeff O'Hearn - Berlin

FROM Dwight Easty - CES/Camas

SUBJECT Lab Reference No. 920596 - Analysis of Water and Soil Samples

Results of analysis of the UST soil and water samples collected 11/18/92 are shown in the enclosed tables. These data confirm the results reported by telephone on 1/4/93.

Please call if you have questions about results.

Dwight Easty

DWIGHT EASTY/gh

cc: Earl Hanson - Richmond

Attachments

Corporate Environmental Services-West
904 N.W. Drake Street, Camas, WA 98607-1999 (206) 834-4444

TABLE 1. EPA VOLATILE PRIORITY POLLUTANT ANALYSIS

Source: Berlin
JRESL Reference: 920596-8
Sample: #8W
Method: EPA Method 624, Purge-and-Trap GC/MS

COMPOUND	Concentration in ug/L (ppb) MDL*	Lab Blank	8W
Chloromethane	5	ND	ND
Bromomethane	1	ND	ND
Vinyl chloride	1	ND	ND
Chloroethane	1	ND	ND
Dichloromethane	1	0.6	1
Trichlorofluoromethane	1	ND	ND
1,1-Dichloroethylene	1	ND	ND
1,1-Dichloroethane	1	ND	2
Z-1,2-Dichloroethylene	1	ND	ND
Chloroform	1	ND	ND
1,2-Dichloroethane	1	ND	ND
1,1,1-Trichloroethane	1	ND	97
Carbon tetrachloride	1	ND	ND
Bromodichloromethane	1	ND	ND
1,2-Dichloropropane	2	ND	ND
E-1,3-Dichloropropylene	1	ND	ND
Trichloroethylene	1	ND	ND
Benzene	1	0.7	9
Dibromochloromethane	1	ND	ND
Z-1,3-Dichloropropylene	1	ND	ND
1,1,2-Trichloroethane	1	ND	ND
2-Chloroethylvinyl ether	5	ND	ND
Bromoform	1	ND	ND
Tetrachloroethylene	1	0.8	6
1,1,2,2-Tetrachloroethane	1	ND	ND
Toluene	1	ND	46
Chlorobenzene	1	ND	ND
Ethylbenzene	1	ND	4
Xylenes	1	ND	52
Dichlorobenzene	1	ND	ND

* Minimum detection limit
ND means not detected.
Lower values reported where absence of interference permits.

Table 2

Analysis of Soils: TPH and BTEX

Lab Reference No: 920596

Sample	Solids, %	TPH[1] µg/g, dry basis	BTEX[3], µg/g, dry basis
# 8	87.6	6.4	ND <1[4]
# 16	92.9	4800	ND <1
# 17	91.6	570	ND <1
# 5	92.4	260, 290[2]	ND <1

ND means not detected.

[1] Total petroleum hydrocarbons

[2] Duplicate determinations. Recovery of 5531 µg/g spike added to #5: 96%.

[3] Benzene, toluene, ethylbenzene, xylene.

[4] Detection limit: 1 µg/g of each compound.

Table 3

Determination of Metals in TCLP Extract

Lab Reference No: 920596

Element	Regulatory Level	Detection Limit	Concentration in mg/L #8	#16	#17	Spike Recovery, %[1]
Arsenic	5	0.06	ND	ND	ND	98
Barium	100	0.05	0.14	0.45	0.47	86
Cadmium	1	0.005	ND	ND	ND	103
Chromium	5	0.006	0.007	ND	ND	86
Lead	5	0.06	ND	ND	ND	102
Mercury	0.2	0.005	ND	ND	ND	109
Selenium	1	0.03	ND	ND	ND	99
Silver	5	0.05	ND	ND	ND	NA

ND means not detected

[1] Spike added to TCLP extract of #16: mercury, 0.00625 mg/L; other elements, 0.25 mg/L; silver was not added (NA).

Table 4

Determination of Volatiles in TCLP Extract

Lab Reference No. 920596

	Concentration in mg/L				
	Regulatory Level	Detection Limit	#8	#16	#17
Benzene	0.50	0.010	ND	ND	ND
Carbon Tetrachloride	0.50	0.010	ND	ND	ND
Chlorobenzene	100	0.010	ND	ND	ND
Chloroform	6.0	0.010	ND	ND	ND
1,2-Dichloroethane	0.50	0.010	ND	ND	ND
1,1-Dichloroethylene	0.70	0.010	ND	ND	ND
Methyl Ethyl Ketone	200	0.010	ND	ND	ND
Tetrachloroethylene	0.70	0.010	ND	ND	ND
Trichloroethylene	0.50	0.010	ND	ND	ND
Vinyl Chloride	0.20	0.010	ND	ND	ND

ND means not detected

Table 5

Determination of Semivolatiles in TCLP Extract

Lab Reference No. 920596

Semivolatile Organics	Regulatory Level (mg/L)	Detection Limit, mg/L	Concentration in TCLP Extract, mg/L #8	#16	#17
Chlordane	0.03	--	NR	NR	NR
o-Cresol	200.0	0.0002	ND	ND	ND
m-Cresol	200.0	0.0002	ND	ND	ND
p-Cresol	200.0	0.0002	ND	ND	ND
Total Cresol	200.0	0.0002	ND	ND	ND
2,4-D	10.0	--	NR	NR	NR
1,4-Dichlorobenzene	7.5	0.0002	ND	ND	ND
2,4-Dinitrotoluene	0.13	0.0005	ND	ND	ND
Endrin	0.02	--	NR	NR	NR
Heptachlor (and its epoxide)	0.008	--	NR	NR	NR
Hexachlorobenzene	0.13	0.0002	ND	ND	ND
Hexachloro-1,3-butadiene	0.5	0.0002	ND	ND	ND
Hexachlorethane	3.0	0.0002	ND	ND	ND
Lindane	0.4	--	NR	NR	NR
Methoxychlor	10.0	--	NR	NR	NR
Nitrobenzene	2.0	0.0008	ND	ND	ND
Pentachlorophenol	100	0.010	ND	ND	ND
Pyridine	5.0	1	ND	ND	ND
Toxaphene	0.5	--	NR	NR	NR
2,4,5-Trichlorophenol	400.0	0.0002	ND	ND	ND
2,4,6-Trichlorophenol	2.0	0.0002	ND	ND	ND
2,4,5-TP (Silvex)	1.0	--	NR	NR	NR

Pesticides and herbicides were not requested (NR).

ND means not detected.

Methods:

TPH	-	Freon extraction and infrared analysis. EPA Method 418.1
VOC's and BTEX	-	EPA Method 624/8240
TCLP Extraction	-	EPA Method 1311
Mercury	-	EPA Method 245.1
Other Metals	-	EPA Method 6010A
Pyridine	-	GC/FID
Other semivolatiles	-	EPA Method 625/8270

Analysts:

R. R. Claeys
T. A. Linn
D. L. Wong
V. Claxton
K. Haunreiter

F/U 7/17/93
JOH

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

June 22, 1993

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

Dear Mr. Beaulieu:

In accordance with Env-Ws 411.18 (c) Permanent Closure we would like to inform you of our intent to remove the following Underground Storage Tanks during the week of July 19, 1993. We intend to remove five tanks from three different locations. These tanks include:

Tank #	Tank Contents	Tank Volume	Tank Location
12	Unleaded Gasoline	1000 gallons	Cambridge Camp
13	Unleaded Gasoline	1000 gallons	Cambridge Camp
9	#2 Fuel Oil	4000 gallons	Burgess WWTP
G1	Diesel Fuel	10000 gallons	Groveton
G2	Diesel Fuel	10000 gallons	Groveton

If there are any questions or concerns please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

ustrem2:ust1

cc: R. Danforth
B. Wyman
D. Marcotte

Town ___
comp

Initial ✓

New Hampshire Department of Environmental Services (603) 271-3644

TANK CLOSURE REPORT FORM

(1) Telephone Message

Name Jef O'Hern

Street 650 Main St

City Berlin

Initial TB

Date: 6/28/93

Telephone: 342-2363

Fax # 342-2370

2. **Facility Registration Number:** 0-112765

Name James River Corp.

Street 650 Main St

City Berlin

3. Owner Name

Name James River Corp

Street 650 main St

City Berlin

State NH

Zip 03570

Telephone 603 342-2363

4. Tank Removal Information *** Indicate suspected leakers. ***

Tank # 12	Tank # 13	Tank # 9	Tank #	Tank #
Size 1000	Size 1000	Size 4000	Size	Size
Product GAS	Product GAS	Product ~~GAS~~ #2 Fuel	Product	Product
will tank be replaced? Yes No ✓	will tank be replaced? Yes No ✓	will tank be replaced? Yes No ✓	will tank be replaced? Yes No	will tank be replaced? Yes No

5. Consultant ~~Unk~~ None JR rep. Jeff O'Hearn

6. Local Fire Dept. Notified ~~Unk~~ Yes

7. Inspector Jeff O'Hearn Date 7/20/93.

8. Field Screening Methods (tank and piping):

HNu Photoionizer model PI 101 10.2 eV probe In Tank 12 - ND ~~No reading~~
13 - ND

#12 = 10.2 background 1.6
#13 voc = 6.0

9. Sample Information

tank # 12	tank # 13	tank # 9	tank #	tank #
Soil 1 Water None	Soil 1 Water None	Soil 1 Water ✓	Soil Water	Soil Water

Taken By: Jeff O'Hearn

10. Tank Condition:

tank # 12 Rust but sturdy	tank # 13 Rust but sturdy	tank # 9 Bung missing	tank #	tank #
No holes detected	No holes detected	Excellent condition		

11. Indicate tank and sample locations by sketching on back of this report.

12. Include photographs of the excavation and tank(s) condition if avaliable.

13. **Estimated cubic yards of stock piled contaminated soil:** 4 cubic yards

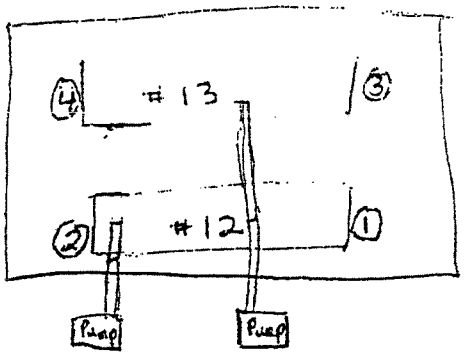
14. Verification

I have inspected the site of the removed tank(s), including the entire excavation area. I am knowledgable in field observation techniques to determine regulated substance contamination in soils and groundwater. There is no evidence of soil or groundwater contamination at the site. I have also inspected the excavated tank(s) and found no evidence of leakage.

Name:	Signature:	Date:

12-Mar-93

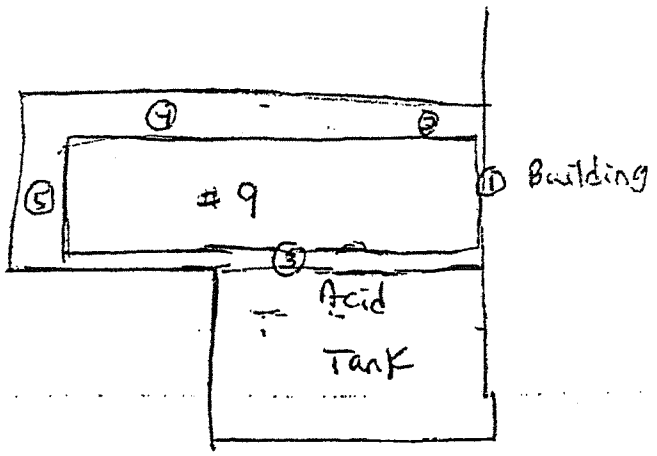
Lakeside Camp



①&② composited into sample for tank #12

③&④ composited into sample for tank #13

Burgess WWTP



①②③④⑤ - composited into one sample
VOC sample taken of groundwater.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Lakeside Camp - Cambridge NH
650 Main St. Berlin, NH 03570

Tank#: 12
Tank Volume: 1000 gallons
Contents: Unleaded Gasoline
Removal Date: July 20, 1993

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was some minimal soil contamination evident in the area of the piping to the tank. This contamination was believed to have been caused by residual fuel in the lines that spilled when the lines were removed. The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks. Pictures were taken of pit and tank and are included with the report.

Olfactory Inspection:

VOC headspace analysis	10.2 ppm	HNU PI101 10.2 eV PID
VOC background	1.6 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank. These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	94.0
TPH	58 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

Disposal:

The pits were filled in with fill following the removal of the tanks and lines. Tanks were inspected to ensure cleanliness and are stored at the James River Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

ustrem93:ust1.jdo

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

ustrem93:ust1.jdo

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Burgess Wastewater Treatment Plant
650 Main St. Berlin, NH 03570

Tank#: 9
Tank Volume: 4000 gallons
Tank Contents: #2 Heating Oil
Tank Location: Tank located at rear of building.
Removal Date: July 20, 1993

Visual Inspection:

Small amount of groundwater detected at bottom of pit. There was a light sheen on the surface of the water and absorbent pads were placed in the hole to absorb this. Contamination of the soil at the building end of the tank was visible. After thorough inspection of the tank no leaks were detected and no rust was present. It appeared that one of the bungs on the top of the tank was missing in the general location where the most contamination was present in the pit. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	58 ppm	HNU PI101 10.2 eV PID
VOC background	4.0 ppm	

Removal Actions:

One grab sample of soil were taken from each end of the tank and three grab samples were collected along the walls of the tank at approximately 4 feet deep. The samples were composited into one sample. One sample of the groundwater in the pit was also collected. The samples were than packaged for shipping.

Laboratory Results:

% Solids	85.8
TPH	220 ppm dry basis
TPH (dup)	200 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

VOC on Water Sample: See attached

Disposal:

Jack Schwaziack of the State Groundwater Protection Division was contacted when the soil contamination was detected.

ustrem93:ust1.jdo

Following his instructions, we removed as much of the contaminated soil as was possible and transported this to MT. Carberry Landfill for storage. The pit was then filled in with clean fill. Tanks were inspected to ensure cleanliness and are strored at the Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

TABLE 1A. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930381
Sample: Groundwater Sample 9W
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	9W 7/20/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	43
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

March 7, 1994

James River Corporation
650 Main Street
Berlin, New Hampshire 03570
Attn: Jeffrey O'Hearn

RE: BERLIN, JAMES RIVER, TANK CLOSURE REPORT RECEIVED AUGUST 30, 1993
(UST #0-112765)

Dear Mr. O'Hearn:

The New Hampshire Department of Environmental Services (DES) has reviewed the Tank Closure Report for the 1,000 gallon gasoline tank and a 4,000 gallon gasoline tank submitted concerning the above referenced facility and we have the following comments:

1. Based upon the information provided, it appears that a discharge of petroleum that will ultimately seep into surface water or groundwater of the State has not occurred. Therefore, DES will not require additional investigation or remedial measures at this time.

2. The owner(s) of this facility must meet the goals of N.H. Admin. Rules Env-Ws 410 "Groundwater Protection Rules," that is, groundwater at the site must continue to meet drinking water quality standards.

3. DES reserves the right, under N.H. Admin. Rules Env-Ws 410 "Groundwater Protection Rules" and N.H. Admin. Rules Env-Ws 412 "Rules for Reporting and Remediation of Oil Discharges," to require additional hydrogeological investigations and/or remedial measures if further information indicating the need for such work is received.

If you have questions, contact me at the Water Supply & Pollution Control Division at (603) 271-3644.

Sincerely,

Thomas R. Beaulieu
Groundwater Protection Bureau

TRB/emw:97/8155
cc: File

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-6588

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

March 11, 1994

Mr. Thomas R. Beaulieu
N.H. Department of Environmental Services
Groundwater Protection Bureau
6 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Dear Mr. Beaulieu:

This letter is in response to your letter of March 7, 1994 regarding the tank closure report which we submitted on August 30, 1993. I would like question a discrepancy which I noted in your response. Your letter references one 1,000 gallon gasoline tank and one 4,000 gallon gasoline tank that were closed. The tanks that were removed were actually two 1,000 gallon gasoline tanks and one 4,000 gallon #2 Fuel Oil tank. I would appreciate it if you would look into this and let me know of your results.

If you have any questions please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

ust_clsr_0793_nhresp1:vwp.hzw_jdo

cc: R. Danforth

No response from State of NH

comp

Initial L

New Hampshire Department of Environmental Services (603) 271-3644

TANK CLOSURE REPORT FORM

Telephone Message

Name Jeffrey O'Hern (James River

Street 650 Main St

City Berlin NH

Initial TB

Date: 6/28/93

Telephone: 342-2363

Fax #

2. Facility Registration Number: O-111933

Name James River Corp (Riverside)

Street Mechanic St

City Northumberland

3. Owner Name

Name

Street

City

State Zip Telephone

4. Tank Removal Information

*** Indicate suspected leakers. ***

Tank # G1	Tank # G2	Tank #	Tank #	Tank #
Size 10 000	Size 10 000	Size	Size	Size
Product DSC	Product DSC	Product	Product	Product
will tank be replaced? Yes No	will tank be replaced? Yes No	will tank be replaced? Yes No	will tank be replaced? Yes No	will tank be replaced? Yes No

5. Consultant ~~Weston~~ Nine JR contact Jeff O'Hearn

6. Local Fire Dept. Notified ~~Walt~~ Yes

7. Inspector Jeff O'Hearn Date 7/21/93

8. Field Screening Methods (tank and piping):

VOC testing HNu Photo Ionizer PID 10.2 eV probe

G1 16 ppm background 3 ppm

G2 7.6 ppm

9. Sample Information

tank # G1	tank # G2	tank #	tank #	tank #
Soil ✓ Water ✓	Soil ✓ Water	Soil Water	Soil Water	Soil Water

Taken By:

10. Tank Condition:

tank #	tank #	tank #	tank #	tank #
excellent	excellent			

11. Indicate tank and sample locations by sketching on back of this report.

12. Include photographs of the excavation and tank(s) condition if available.

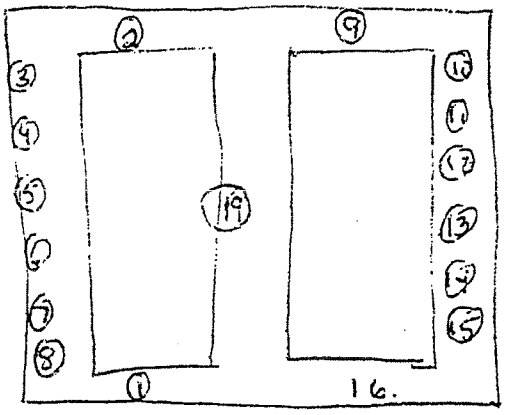
13. **Estimated cubic yards of stock piled contaminated soil:** 160 cubic yards

14. Verification

I have inspected the site of the removed tank(s), including the entire excavation area. I am knowledgable in field observation techniques to determine regulated substance contamination in soils and groundwater. There is no evidence of soil or groundwater contamination at the site. I have also inspected the excavated tank(s) and found no evidence of leakage.

Sign Date

Groveton



① → ⑧ composited into one sample for G1

⑨ → ⑯ composited into one sample for G2.

⑲ water sample taken for VOC testing.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Groveton Facility
650 Main St. Berlin, NH 03570

Tank#: G1
Tank Volume: 10000 gallons
Tank Contents: Diesel Fuel
Tank Location: Tank located beneath parking lot
Removal Date: July, 21, 1993

Visual Inspection:

Some groundwater was detected in the pit with a slight sheen of oil on the surface in a couple of the puddles. The tank was in excellent condition. Some contamination was detected in the area of the tank fill pipe possible due to overfilling in the past. THe pipes themselves were also in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	16.0 ppm	HNU PI101 10.2 eV PID
VOC background	3.0 ppm	

Removal Actions:

A grab sample of soil was taken from each end of the tank and 6 samples were taken along the length at approximately 4 feet deep in locations. These samples were then composited into one sample. A groundwater sample was also taken. The samples were then packaged for shipping.

Laboratory Results:

% Solids	91.4
TPH	680 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

VOC on water sample: See attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Rick Berry from the State Groundwater Protection Division was contacted and informed of the soil contamination that was present. The pit

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Lakeside Camp - Cambridge NH
650 Main St. Berlin, NH 03570

Tank#: 13
Tank Volume: 1000 gallons
Tank Contents: Unleaded Gasoline
Removal Date: July 20, 1993

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was no contamination evident in the area of this tank. The tank was in excellent condition and no holes were detected. Pictures were taken of pit and tank and are included with the report.

Olfactory Inspection:

VOC headspace analysis	6.0 ppm	HNU PI101 10.2 eV PID
VOC background	1.6 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank. These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	89.1
TPH	44 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

Disposal:

Tanks were inspected to ensure cleanliness and are currently stored at the James River Service Garage awaiting diposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

ustrem93:ust1.jdo

was then filled in with new clean fill.The tanks were inspected for cleanliness and are stored at the Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

TABLE 1B. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930382
Sample: Groundwater Sample GW
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	GW 7/21/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	ND
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Groveton Facility
650 Main St. Berlin, NH 03570

Tank#: G2
Tank Volume: 10000 gallons
Tank Contents: Diesel Fuel
Tank Location: Tank located beneath parking lot
Removal Date: July, 21, 1993

Visual Inspection:

Some groundwater was detected in the pit with a slight sheen of oil on the surface in a couple of the puddles. The tank was in excellent condition. Some contamination was detected in the area of the tank fill pipe possible due to overfilling in the past. The pipes themselves were in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	7.6 ppm	HNU PI101 10.2 eV PID
VOC background	3.0 ppm	

Removal Actions:

A grab sample of soil was taken from each end of the tank and 6 samples were taken along the length at approximately 4 feet deep in locations. These samples were then composited into one sample for analysis. A groundwater sample (see Tank G1 inspection form) was also taken. The samples were then packaged for shipping.

Laboratory Results:

% Solids	93.0
TPH	290 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

Disposal:

All removed from the pit was sent to Mt. Carberry Landfill for disposal following all permit conditions. Rick Berry from the State Groundwater Protection Division was contacted and informed of the soil contamination that was present. The pit was then filled in with new clean fill. The tanks were

inspected for cleanliness and are stored at the Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE August 23, 1993

TO Jeff O'Hearn - Berlin

FROM Dwight Easty - CES/Camas

SUBJECT Lab Reference 930381 and 930382 - Analysis of Water and Soil Samples

Results of analysis of the groundwater and soil samples collected July 20 and 21 are shown in the enclosed tables. Please note that xylene was detected in groundwater sample 9W.

Please call if you have questions about these results.

Dwight Easty

DWIGHT EASTY

c:
Earl Hanson - Richmond

Enclosures

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 5
To Tom Beaulieu	From Jeff O'Hearn
Co. NH DES	Co. JR
Dept.	Phone #
Fax # 271-2151	Fax # 342-2337

Corporate Environmental Services-West
904 N.W. Drake Street, Camas, WA 98607-1999 (206) 834-4444

FORM 5571 2/85

Tom Beaulieu
271-2151

TABLE 1A. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930381
Sample: Groundwater Sample 9W
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	9W 7/20/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	43
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected

TABLE 1B. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930382
Sample: Groundwater Sample GW
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	GW 7/21/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	ND
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected.

Table 2

Analysis of Soils: TPH and BTEX

Lab Reference 930381 and 930382

Sample	Solids, %	TPH[1] ug/g,dry basis	BTEX[3] ug/g, dry basis
9	85.8	220, 200[2]	ND <0.2[4]
12	94.0	58	ND <0.2
13	89.1	44	ND <0.2
G1	91.4	680	ND <0.2
G2	93.0	290	ND <0.2

ND means not detected.

[1] Total petroleum hydrocarbons

[2] Duplicate determinations. Recovery of 460 ug/g spike added to sample 13: 80%.

[3] Benzene, toluene, ethylbenzene, xylene.

[4] Detection limit: 0.2 ug/g of each compound.

Table 3

BTEX Spike Recovery

Lab Reference 930381

	Spike Recovery,[1] %
Benzene	78
Toluene	80
Ethylbenzene	92
m-Xylene	95

---

[1] Amount of spike added to sample 13: 4 ug/g of each compound.

Methods:

VOC's and BTEX - EPA Method 624/8240
TPH - Freon extraction and infrared analysis. EPA Method 418.1

Analysts:

V. Claxton
K. Haunreiter
R. Smith

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

August 26, 1993

Mr. Bob Delisle
Berlin Health Department
Main Street
Berlin, NH 03570

Dear Bob:

Enclosed please find a copy of the report which we have submitted to the State in regards to the removal of the underground #2 fuel tank from the Burgess Wastewater Treatment Plant. The results of the testing of the soil and groundwater from the tank site are included in the report.

If you have any questions about this information please give me a call at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

cc: R. Danforth

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

August 26, 1993

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

RE: UST Removal on July 20, 1993

Dear Mr. Beaulieu:

Enclosed please find a written report regarding the permanent closure of three underground storage tanks from our facility (O-112765) on July 20, 1993 and the permanent closure of two tanks at our former Groveton facility (O-111933) on July 21, 1993. The tanks were removed and witnessed by James River personnel. A State representative was requested but due to scheduling conflicts was unable to witness the removal. Analytical data is included of the soil and groundwater samples which were taken during the removals. Pictures of the tanks and pits have also been included.

If there is any other information that you require please contact me at (603) 342-2363.

Sincerely,

Jeff O'Hearn
Environmental Project Engineer

ustrem93:ust1

cc: R. Danforth

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

August 27, 1993

Mr. Carl Woodbury
Waste Management Division
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03301

Dear Mr. Woodbury:

Enclosed please find the soil test results for the soil we removed from our underground tank removals at our former Groveton facility, our Lakeside logging camp in Cambridge, and our Burgess Treatment Plant. We currently have approximately 160 yd^3 of soil from Groveton (sample G1 and G2) and 4 yd^3 from the Treatment Plant (sample 9) stored at our Mt Carberry Landfill. We did not remove any of the soil from the Lakeside Camp (samples 12 and 13). We would like permission to dispose of this soil in Mt. Carberry Landfill.

If you have any questions or concerns please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

cc: R. Danforth

Table 2

Analysis of Soils: TPH and BTEX

Lab Reference 930381 and 930382

Sample	Solids, %	TPH[1] ug/g, dry basis	BTEX[3] ug/g, dry basis
9	85.8	220, 200[2]	ND <0.2[4]
12	94.0	58	ND <0.2
13	89.1	44	ND <0.2
G1	91.4	680	ND <0.2
G2	93.0	290	ND <0.2

ND means not detected.

[1] Total petroleum hydrocarbons

[2] Duplicate determinations. Recovery of 460 ug/g spike added to sample 13: 80%.

[3] Benzene, toluene, ethylbenzene, xylene.

[4] Detection limit: 0.2 ug/g of each compound.

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

September 9, 1993

Mr. Jeffrey O'Hearn
Environmental Project Engineer
James River Corporation
650 Main Street
Berlin, NH 03570-2489

RE: **PETROLEUM CONTAMINATED SOILS**

Dear Mr. O'Hearn:

The New Hampshire Department of Environmental Services (Department) has received your letter of August 27, 1993 regarding petroleum contaminated soils generated during the removal of underground storage tanks at the Lakeside logging camp in Cambridge and the former James River facility in Groveton. Analytical test data included with your letter shows that the soils contain less than 700 ppm of total petroleum hydrocarbons with no detectable BTEX compounds. It is therefore acceptable to the Department to dispose these soils at the Mt. Carberry landfill.

Please contact me at 271-2925, if you have any questions.

Sincerely,

Carl F. Woodbury
Waste Management Specialist IV
Solid Waste Compliance Section
Waste Management Division

RSR/CFW/neo/6450j
cc: Dr. Raymond Danforth, JRC
Berlin File/DB
Carl F. Woodbury, SWCS

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-1381

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

March 1994

TO: UST Facility Owners, Carroll, Coos and Grafton Counties

RE: RSA 146-C:4, Underground Storage Facility Permit Fees

Dear Sir/Madam:

On February 20, 1990, the legislature enacted an amendment to RSA 146-C:4 which established a permit fee for underground storage facilities.

Under the legislation, a permit fee of $70 per year shall be paid to the New Hampshire Department of Environmental Services (NHDES) by the owner or operator of each permitted facility, except for facilities owned by the state and local governments, including counties, and school districts, in the manner described below.

Facilities with existing permits in Carroll, Coos or Grafton counties will expire on April 30, 1994. A total of $350.00 is due on April 30, 1994. This fee covers the operation permit for the next 5 years, i.e. 1994-1999.

Upon payment of the amount due, your Permit to Operate will be issued.

Please note that no facility shall operate without a valid operation permit.

An invoice and return envelope is included with this letter for your convenience. If you have any questions please contact our office at (603) 271-3644.

Sincerely,

Lynn A. Woodard
Groundwater Protection Bureau

TRB/emw:8191
cc: File

RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-6588

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

D66T142T
FORM NO. 484-B REV. 6/92

Remittance Advice

JAMES RIVER CORPORATION
Berlin, New Hampshire

02245644

Invoice Date	Vendor Invoice No./Our Reference		Invoice Amount	Discount	Net Amount
04 11 94	9474	148566	350.00	.	350.00
			350.00	0.00	350.00

JAMES RIVER CORPORATION
P.O. Box 2218, Richmond, VA 23217

BERLIN/GORHAM DISBURSEMENT

Citibank Delaware
A subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

02245644
0057183
62-20
311

000004589

Date: 04 11 94

Amount: ********350.00

Pay To The Order Of
TREASURER STATE OF NH WATER
NHDES
PO BOX 95 6 HAZEN DRIVE
CONCORD NH
03302-0095

NOT VALID AFTER 60 DAYS

⑈02245644⑈ ⑆031100209⑆ 3884184⑈

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 14
Tank Volume: 3000 gallons
Contents: Unleaded Gasoline
Removal Date: August 16, 1994

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was some minimal soil contamination evident in the area at the south end of the tank between this tank and a 3000 gallon diesel tank (Tank #15). The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks.

Olfactory Inspection:

VOC headspace analysis HNU PI101 10.2 eV PID

North end of tank (2A)	4.4 ppm
West side of tank (2C)	2.4 ppm
South end of tank (2B)	76 ppm

Removal Actions:

Three grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank and one on the west side. The soil at the south end of the tank is stockpiled awaiting disposal at our Mt. Carberry Landfill following review of analytical results.

Laboratory Results:

Sample	**2A**	**2B**	**2C**
% Solids	90	91	88
TPH (dry basis)	ND<10	ND<10	ND<10
BTEX	(see attached analytical results)		
MTBE	ND<0.1	ND<0.1	ND<0.1

Disposal:

The pit was filled in with fill following the removal of the tank and lines. The tank was inspected to ensure cleanliness and shipped to Isaacson Structural Steel for disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines June 1994

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 15
Tank Volume: 3000 gallons
Contents: Diesel Fuel
Removal Date: August 16, 1994

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was some minimal soil contamination evident in the area at the north end of the tank between this tank and a 3000 gallon gasoline tank (Tank #14). The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks.

Olfactory Inspection:

VOC headspace analysis HNU PI101 10.2 eV PID

South end of tank (1A)	2.0 ppm
West side of tank (1C)	42 ppm
North end of tank (2B)	76 ppm

Removal Actions:

Three grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank and one on the west side. The soil at the north end of the tank and west side of tank are stockpiled awaiting disposal at our Mt. Carberry Landfill following review of analytical results.

Laboratory Results:

Sample	**1A**	**1C**	**2B**
% Solids	91	88	91
TPH (dry basis)	ND<10	1100	ND<10
BTEX	(see attached analytical results)		

Disposal:

The pit was filled in with fill following the removal of the tank and lines. The tank was inspected to ensure cleanliness and shipped to Isaacson Structural Steel for disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines June 1994

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Sawmill Hydro
650 Main St. Berlin, NH 03570

Tank#: 11
Tank Volume: 2000 gallons
Contents: Kerosene Heating Oil
Removal Date: August 16, 1994

Visual Inspection:

No groundwater was present in the pit when the tank was removed. The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks.

Olfactory Inspection:

VOC headspace analysis HNU PI101 10.2 eV PID

North end of tank	5.8 ppm
West side of tank	5.8 ppm
South end of tank	5.8 ppm

Removal Actions:

Four grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations around the tank perimeter and were composited into one sample. No high spots were detected with the VOC analyzer.

Laboratory Results:

Sample	**11**
% Solids	93
TPH (dry basis)	ND<100
BTEX	(see attached analytical results)

Disposal:

The pit was filled in with fill following the removal of the tanks and lines. The tank was inspected to ensure cleanliness and shipped to Isaacson Structural Steel for disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines June 1994

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.